# DJ-X3

# Service Manual

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# **SPECIFICATIONS**

#### 1) GENERAL

Receiving range E :  $0.1 \sim 1299.995 \text{ MHz}$ 

T : 0.1 ~ 823.995 MHz

850.000 ~ 868.995 MHz 895.000 ~ 1299.995 MHz

Modulation mode FM, WFM, AM

 $\begin{array}{ll} \text{Ant. impedance} & 50\Omega \\ \text{Ant. terminal} & \text{SMA} \end{array}$ 

Supply voltage DC 3.6V ~ 6V (Internal battery)

DC 4.5V ~ 16V (external regulated source)

Ground Negative ground

Current consumption reception : approx.75mA

Battery save (1:4)approx.39mA

Temperature range  $-10 \sim +60^{\circ}\text{C} \ (+14 \sim +140 \ \text{F}^{\circ})$ 

Frequency stability  $\pm 5$ ppm(-10  $\sim +60$ °C)(+14  $\sim +140$ F°) Dimension  $56(W) \times 102(H) \times 23(D)$ mm

Weight Approx.145g

#### 2) RECEIVER

System Triple-conversion superheterodyne

 First
 IF
 248.45 MHz

 Second IF
 38.85 MHz

 Third
 IF
 450 kHz

Selectivity AM/FM -6dB/12kHz or over , -60dB/30kHz or less

WFM -6dB/150kHz or over

Sensitivity FM/WFM 12dB SINAD, AM 10dB S/N

Typ. AM :  $0.5 \sim 1.62 MHz$  17dBu 10dB S/N

1.625MHz or over 5dBu 10dB S/N

FM : 30 ~ 550MHz -3dBu 12dB SINAD

550MHz or over 0dBu 12dB SINAD

WFM : 76 ~ 770MHz 13dBu 12dB SINAD

Audio output power more than 220mW (8 $\Omega$ )

### CIRCUIT DESCRIPTION

#### 1) Receiver

1. RX Method: Triple Super Heterodyne Method

1st IF. : 248.45MHz 2nd IF. : 38.85MHz 3rd IF. : 450KHz

#### 2. Front End

0.1 ~ 29.995MHz

The signal input from antenna is switched at band switch D19, passing through the low pass filter, it is amplified at RF amplifier Q15. Then the signal is added to the 1st mixer IC3 through the band switch D17.

30 ~ 136.995MHz

The signal input from antenna is switched at band switch D23, passing through the band pass filter, it is amplified at RF amplifier Q21. Then the signal is added to the 1st mixer IC3 through the band switch D22.

137 ~ 222.995MHz

The signal input from antenna is switched at band switch D27, passing through the band pass filter, it is amplified at RF amplifier Q23. Then the signal is added to the 1st mixer IC3 through the band switch D26.

223 ~ 367.995MHz

The signal input from antenna is switched at band switch D29, passing through the band pass filter, it is amplified at RF amplifier Q27. Then the signal is added to the 1st mixer IC3 through the band switch D28.

368 ~ 469.995MHz

The signal input from antenna is switched at band switch D32, passing through the band pass filter, it is amplified at RF amplifier Q32. Then the signal is added to the 1st mixer IC3 through the band switch D31.

470 ~ 129.995 MHz

The signal input from antenna is switched at band switch D37 and D45, passing through the band pass filter, it is amplified at RF amplifier Q38. Then the signal is added to the 1st mixer IC3 through the band switch D36.

#### 3. Mixer

The 1st Mixer

The input signal and the 1st local signal is added or subtracted at mixer IC3, and SAW filter FL1 selects the signal of 248.45 MHz, then eliminates the adjacent signal.

The 2nd Mixer

The input signal and the 2nd local signal is added or subtracted at mixer IC4, and switched to FM/AM receiving side or WFM receiving side at D24 or D25.

FM/AM

At FM/AM receiving side, the crystal filter XF1 selects the signal of 38.85 MHz. The signal is amplified at the 1st IF amplifier Q22 after the adjacent signal is eliminated.

WFM

At WFM receiving side, the band pass filter selects the signal of 38.85 MHz. The signal is amplified at the 1st IF amplifier Q22 after the adjacent signal is eliminated.

#### 4. IF

FM/AM

The amplified signal at the 1st IF amplifier Q22 is supplied to pin 24 of IC6 for demodulation. The signal of 12.8 MHz from the IC 1 reference buffer output is multiplied by 3 at Q17, then mixed with the signal added to pin 1 of IC6 in the mixer circuit inside IC6 to be converted into the 2nd IF signal of 450 kHz. The converted 2nd IF signal is output from pin 3 of IC6.

FΜ

The output signal from pin 3 of IC6 is input to pin 7 of IC6 after the adjacent signal is eliminated at the ceramic filter FL2. The 2nd IF signal input to pin 7 of IC6 is demodulated at the limiter amplifier and quadrature detection circuit inside IC. Then the signal is output from pin 12 of IC6 as an AF signall.

AM

The output signal from pin 3 of IC6 is input to pin 5 of IC6 after the adjacent signal is eliminated at the ceramic filter FL2. The 2nd IF signal input to pin 5 of IC6 is output from pin 13 of IC6 as an AF signal after AM is detected inside IC. Also reverse AGC is added to the 1st IF amplifier Q22 by AGC amplifier Q25 and the gain is controlled to get the normal audio output even though the input signal is fluctuated.

WFM

The output signal from pin 3 of IC6 is input to pin 7 of IC6. The 2nd IF signal input to pin 7 of IC6 is demodulated at the limiter amplifier and quadrature detection circuit inside IC, and output from pin 12 of IC6 as an AF signal.

#### 5. Squelch

The AF signal is output from pin 12 of IC6 and input to pin 19 of IC6. The input signal is output from pin 21 of IC6 through the noise filter amplifier and rectifying circuit. The rectified signal is supplied to the A/D port of microcomputer IC1. Then the microcomputer IC1 judges the signal to control ON/OFF of audio output.

#### 6. Audio

FM/AM/WFM

The audio output signal for receiving FM/WFM and AM is switched at IC9. The output audio signal is input to pin 1 of IC13 of stereo multiplex demodulator through AF amplifier IC17. When the input audio signal doesn't have a pilot signal, each audio signal is output from pin 9 and pin 10 to pin 1 and pin 16 of the audio amplifier IC14 equipped with the electronic volume. After the volume is adjusted, the signal is output from pin 7 and pin 10 to drive the speaker, etc. When the input signal has a pilot signal, each audio signal is output; L side signal is output from pin 9, and R side signal is output from pin 10.

Then the signals are input to the audio amplifier IC 14 equipped with electronic volume; L side signal is input to pin 1 and R side signal is input to pin 16. After adjusting the volume the signals are output; the L side from pin 7 and the R side from pin 10 to drive the speaker, etc.

#### 7. VCO

The 1st Local

VCO for the 1st local consists of the Colpitts oscillator. D15, D16 and L4 determine the frequency, and the signal is oscillated at the transistor Q9. The oscillated signal is supplied to pin 2 of PLL-IC1 passing through the buffer amplifier Q11 and Q10.

The 2nd Local

VCO for the 2nd local consists of the Colpitts oscillator. D20, D21 and L15 determine the frequency, and the signal is oscillated at the transistor Q19. The oscillated signal is supplied to pin 19 of PLL-IC1 passing through the buffer amplifier Q20.

#### 8. PLL

PLL-IC1 is used to control the oscillating frequency of VCO. IC1 is controlled by the serial control signal sent from the microprocessor IC7. The reference frequency of 12.8 MHz is generated by oscillating the crystal oscillator X1 inside the circuit.

The 1st Local

IC1 compares the frequency gained by dividing the signal added to pin 2 of IC1 by the control signal from IC7 with the frequency gained by dividing the reference frequency of 12.8 MHz inside IC1. When the phase difference is found as a result of phase comparison, the pulse signal is output from the charge pump output of pin 8 of IC1, then the signal is converted into the DC voltage at the active filter Q13 and Q14 and added to the cathode side of VCO

vari-cap D15 and D16 to make the phases equal. In result the stabilized oscillation can be done at the desired frequency.

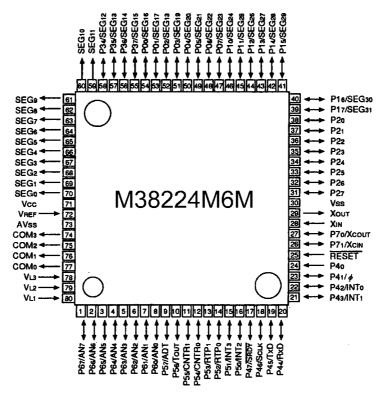
#### The 2nd Local

IC1 compares the frequency gained by dividing the signal added to pin 19 of IC1 by the control signal from IC7 with the frequency gained by dividing the reference frequency of 12.8 MHz inside IC1. When the phase difference is found as a result of phase comparison, the pulse signal is output from the charge pump output of pin 13 of IC1, then the signal is converted into the DC voltage at the inside circuit for active filter and added to the cathode side of VCO vari-cap D20 and D21 to make the phases equal. In result the stabilized oscillation can be done at the desired frequency.

#### 2) M38224M6M (E:XA0862, T:XA0836)

**CPU** 

Terminal Connection (TOP VIEW)



# 3) Terminal function of CPU

| No. | Terminal | Signal | 1/0 | Description          |
|-----|----------|--------|-----|----------------------|
| 1   | AN7      | BAT    | AD  | Battery input        |
| 2   | P66      | S/M    | 0   | Stereo / Monophonic  |
| 3   | P65      | RESW   |     | R/E push key         |
| 4   | AN4      | SQL    | AD  | Squelch input        |
| 5   | AN3      | SMT    | AD  | S-meter input        |
| 6   | P62      | AFPC   | 0   | AF power supply      |
| 7   | P61      | BND3   | 0   | Band3 SW             |
| 8   | P60      | BND6   | 0   | Band6 SW             |
| 9   | P57      | BND2   | 0   | Band2 SW             |
| 10  | P56      | BND4   | 0   | Band4 SW             |
| 11  | P55      | BND5   | 0   | Band5 SW             |
| 12  | P54      | BND1   | 0   | Band1 SW             |
| 13  | P53      | ABAR   | 0   | Antenna SW           |
| 14  | P52      | SBAR   | 0   | Antenna SW           |
| 15  | INT3     | RE2    |     | Rotary encoder input |
| 16  | P50      | RE1    |     | Rotary encoder input |
| 17  | P47      | RC     | 0   | RX SW                |
| 18  | P46      | ASW    | 0   | Antenna SW           |
| 19  | TXD      | CTX    | 0   | Clone TX             |
| 20  | RXD      | CRX    | ı   | Clone RX             |
| 21  | P43/INT1 | PSW    |     | Power key            |
| 22  | INT0     | BU     |     | Backup interrupt     |
| 23  | P41      | BEEP   | 0   | Beep output          |
| 24  | P40      | JKDT   |     | Jack state input     |
| 25  | RESET    | RST    |     | Reset interrupt      |
| 26  | P71      | SCK    | 0   | EEPROM clock         |
| 27  | P70      | SDA    | 1/0 | EEPROM data          |
| 28  | XIN      | XIN    |     | Clock input          |
| 29  | XOUT     | XOUT   | 0   | Clock output         |
| 30  | VSS      | VSS    |     | GND                  |
| 31  | P27      | SW2    |     | Key input            |
| 32  | P26      | SW3    |     | Key input            |
| 33  | P25      | SW4    |     | Key input            |
| 34  | P24      | SW301  |     | Key input            |
| 35  | P23      | SW302  |     | Key input            |
| 36  | P22      | CLNSW  | 0   | Clone SW             |
| 37  | P21      | STB2   | 0   | DAC strobe           |
| 38  | P20      | DATA   | 1/0 | Data / Unlock        |
| 39  | SEG22    | SEG22  |     |                      |
| 40  | SEG21    | SEG21  |     |                      |

| Nο | Terminal | Signal | 1/0 | Description          |
|----|----------|--------|-----|----------------------|
| 41 | SEG20    | SEG20  |     |                      |
| 42 | SEG19    | SEG19  |     |                      |
| 43 | SEG18    | SEG18  |     |                      |
| 44 | P12      | DBC    | 0   | Doubler SW           |
| 45 | P11      | C3C    | 0   | Common power SW      |
| 46 | P10      | SCT    | 0   | Secret signal output |
| 47 | P07      | AFS    | 0   | AF SW                |
| 48 | P06      | CLK    | 0   | Clock                |
| 49 | P05      | STB1   | 0   | PLL strobe           |
| 50 | P04      | PLLC   | 0   | PLL power supply     |
| 51 | P03      | P1C    | 0   | PLL 1ch SW           |
| 52 | P02      | P2C    | 0   | PLL 2ch SW           |
| 53 | SEG17    | SEG17  |     |                      |
| 54 | SEG16    | SEG16  |     |                      |
| 55 | SEG15    | SEG15  |     |                      |
| 56 | SEG14    | SEG14  |     |                      |
| 57 | SEG13    | SEG13  |     |                      |
| 58 | SEG12    | SEG12  |     |                      |
| 59 | SEG11    | SEG11  |     |                      |
| 60 | SEG10    | SEG10  |     |                      |
| 61 | SEG9     | SEG9   |     |                      |
| 62 | SEG8     | SEG8   |     |                      |
| 63 | SEG7     | SEG7   |     |                      |
| 64 | SEG6     | SEG6   |     |                      |
| 65 | SEG5     | SEG5   |     |                      |
| 66 | SEG4     | SEG4   |     |                      |
| 67 | SEG3     | SEG3   |     |                      |
| 68 | SEG2     | SEG2   |     |                      |
| 69 | SEG1     | SEG1   |     |                      |
| 70 | SEG0     | SEG0   |     |                      |
| 71 | VCC      | VDD    |     |                      |
| 72 | VREF     | VDD    |     |                      |
| 73 | AVSS     | GND    |     |                      |
| 74 | COM3     | COM3   |     |                      |
| 75 | COM2     | COM2   |     |                      |
| 76 | COM1     | COM1   |     |                      |
| 77 | COM0     | COM0   |     |                      |
| 78 | VL3      | VL3    |     |                      |
| 79 | VL2      | VL2    |     |                      |
| 80 | VL1      | VL1    |     |                      |

#### SEMICONDUCTOR DATA

#### 1) uPD3140GS-E1 (XA0312)

80 ~ 550MHz Dual PLL Synthesizer

#### **Specifications**

Operating frequency: 200 ~ 400MHz (Vin=-12 ~ -0dBm, pin 2 and 19 input)

80 ~ 550MHz (Vin=-8 ~ -0dBm, pin 2 and 19 input)

Consumption current: 2.7 ~ 4.1mA (Vcc=1.8V while 1 channel is used)

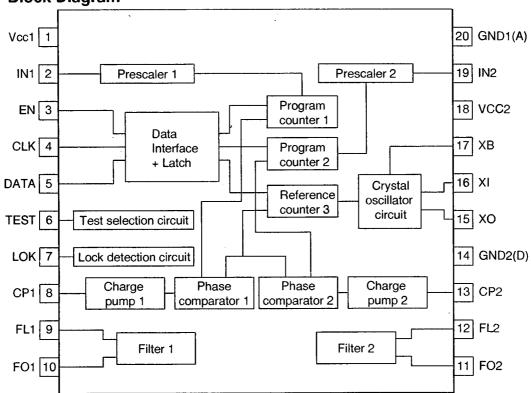
4.3 ~ 6.6mA (Vcc=1.8V while both channels are used)

0 ~ 10uA (Vcc=1.8V in power save mode) 3.5 ~ 5.3mA (Vcc=5V while 1 channel is used)

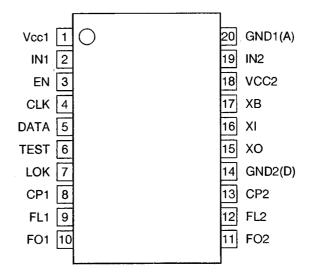
5.6 ~ 8.6mA (Vcc=5V while both channels are used)

Operationg voltage: 1.8 ~ 5.5V

#### **Block Diagram**



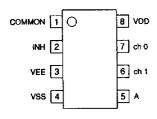
#### **Terminal Connection**

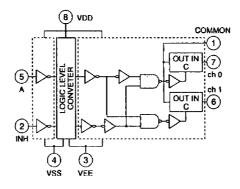


#### 2) TC4W53FU (XA0348)

#### Pin Assignment

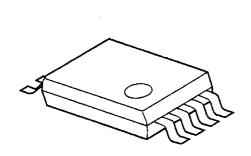
**Block Diagram** 

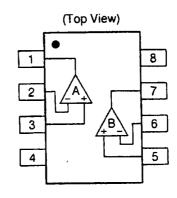




# 3) NJM2904V (XA0573)

**Dual Single Supply Operational Amplifer** 



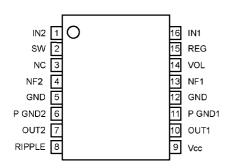


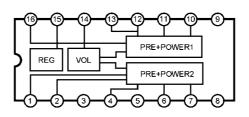
- 1: A OUTPUT
- 2: A INPUT 3: A + INPUT
- 4: GND
- 5: B + INPUT
- 6: B-INPUT
- 7: BOUTPUT
- 8: V+

# 4) CXA1622M/P (XA0787)

Pin Assignment

**Block Diagram** 

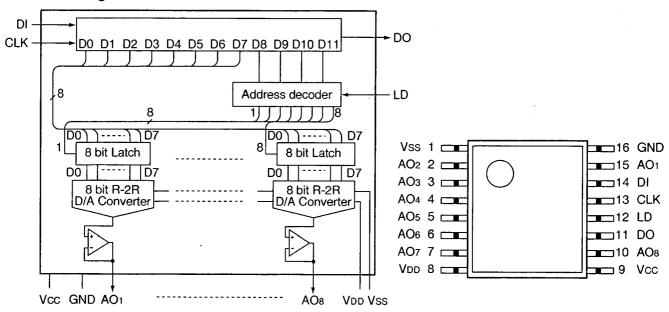




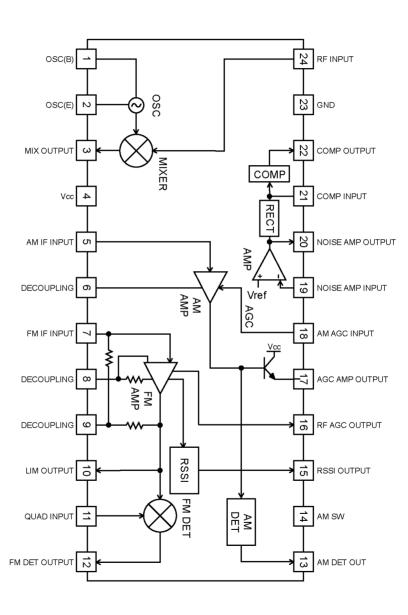
#### 5) MB88347LPFV-G-BND-EF (XA0599)

D/A converter for digital tuning

### **Block Diagram**

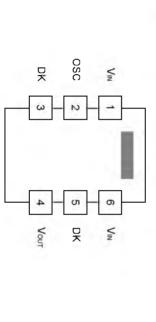


| Pin No.                                | Name   | 1/0 | Descriptions  |  |  |  |
|--|--|-----|---|--|--|--|
| 14                                     | DI   | 1   | Serial data input terminal. Input 12 bit serial data. (Do not leave it open.)   |  |  |  |
| 11                                     | DO   | 0   | The MSB bit data of 12 bit shift register is output at the falling edge of CLK.   |  |  |  |
| 13                                     | CLK  | 1   | Shift clock input terminal. The input signal of DI terminal is input to 12 bit shift register at the rising edge of clock shift. (Do not leave it open.)              |  |  |  |
| 12                                     | LD   | I   | When LD terminal is "High", the value of shift register is loaded in decoder and D/A output register. (Do not leave it open. Fix to "Low" when no data is transited.) |  |  |  |
| 15<br>2<br>3<br>4<br>5<br>6<br>7<br>10 | AO1<br>AO2<br>AO3<br>AO4<br>AO5<br>AO6<br>AO7<br>AO8 | 0   | 8 bit D/A converter output terminal with operational amplifier.   |  |  |  |
| 9                                      | Vcc  | -   | MCU interface, power supply terminal of operational amplifier.  |  |  |  |
| 16                                     | GND  |     | MCU interface, ground terminal of operational amplifier.  |  |  |  |
| 8                                      | VDD  | -   | Reference power supply (High) input terminal of D/A converter.  |  |  |  |
| 1                                      | Vss  | _   | Reference power supply (Low) input terminal of D/A converter.   |  |  |  |

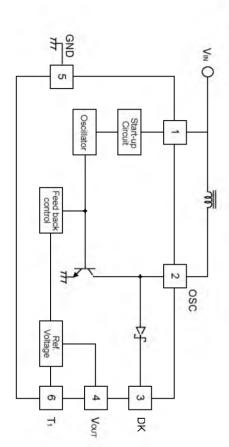


# 6) TK11816M (XA0665)

Pin Assignment

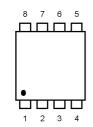


Block Dlagram



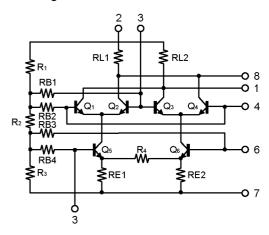
# 8) TA4101F TE12L (XA0667)

#### Pin Assignment



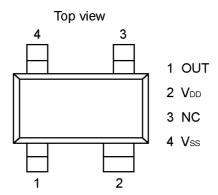
1. IF OUT 5. BASE 2. Vcc 6. BASE 3. OSC IN 7. GND 4. BASE 8. COLLECTOR

#### **Block Diagram**

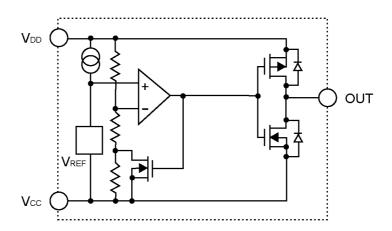


# 9) S-80828ALNP-EAR-T2 (XA0834)

#### Pin Assignment

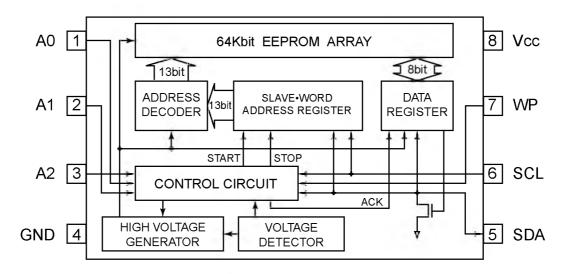


#### **Block Diagram**

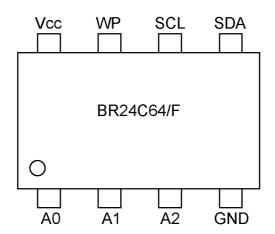


#### 10) BR24C64F-E2 (XA0669)

#### **Block Diagram**

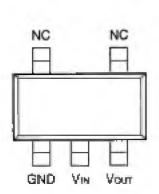


Pin Assignment

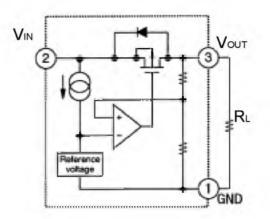


#### 11) S-81230SG-QB-X (XA0833)

Pin Assignment

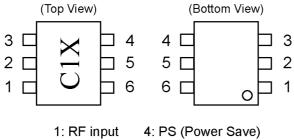


**Block Diagram** 



# 12) uPC2757T-E3 (XA0743)

#### **Terminal Connection**



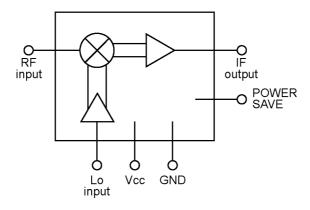
2: GND

5: Vcc

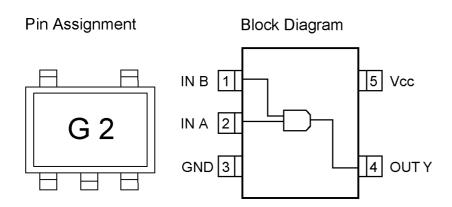
3: Lo input

6: IF output

#### Block Diagram

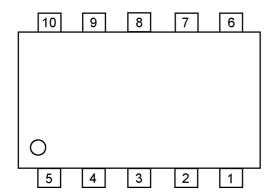


#### 13) TC7SET08FU (XA0586)



# 14)LA3335M (XA0786)

#### Pin Assignment

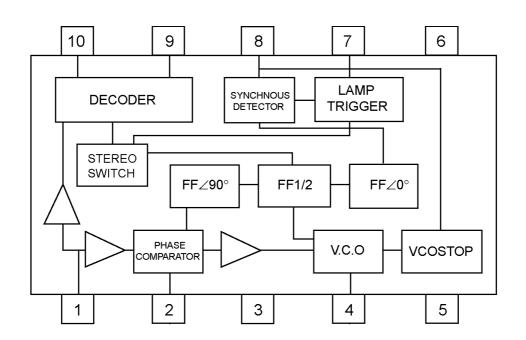


1: Input 6 : GND

2: PLL loop filter 7: Stereo indicator filter 3: Power supply 4: VCO 7: Stereo indicator filter 8: Pilot sync detection 9: Decoder output (low)

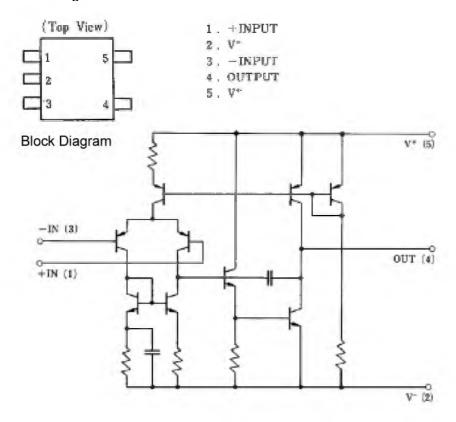
5: NC 10: Decoder output (high)

Block Diagram

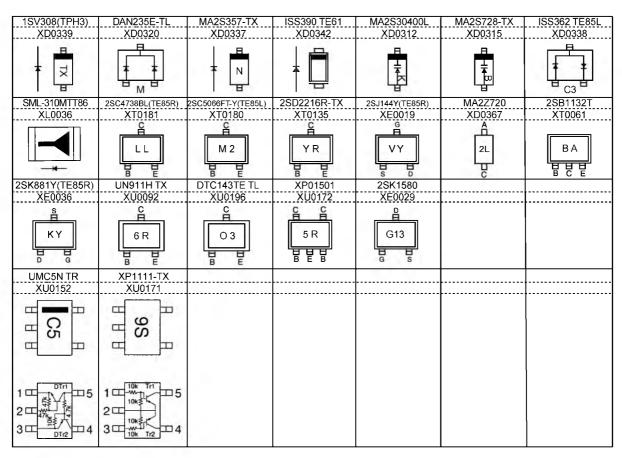


#### 15) NJM2107 (XA0850)

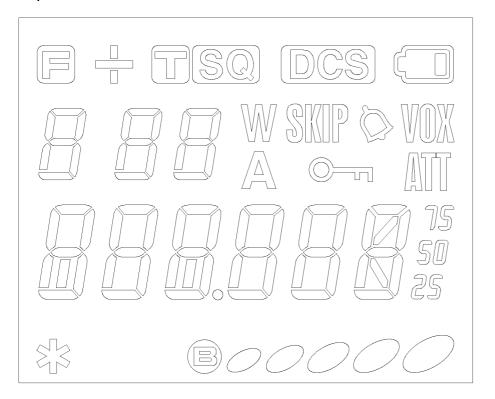
#### Pin Assignment



#### 16) Transistor, Diode and LED Outline Drawings



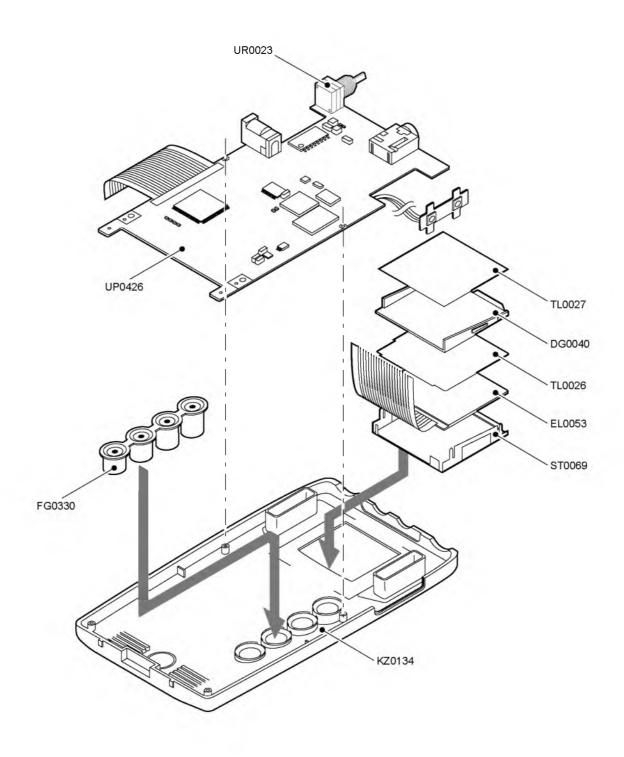
# 17) LCD connection



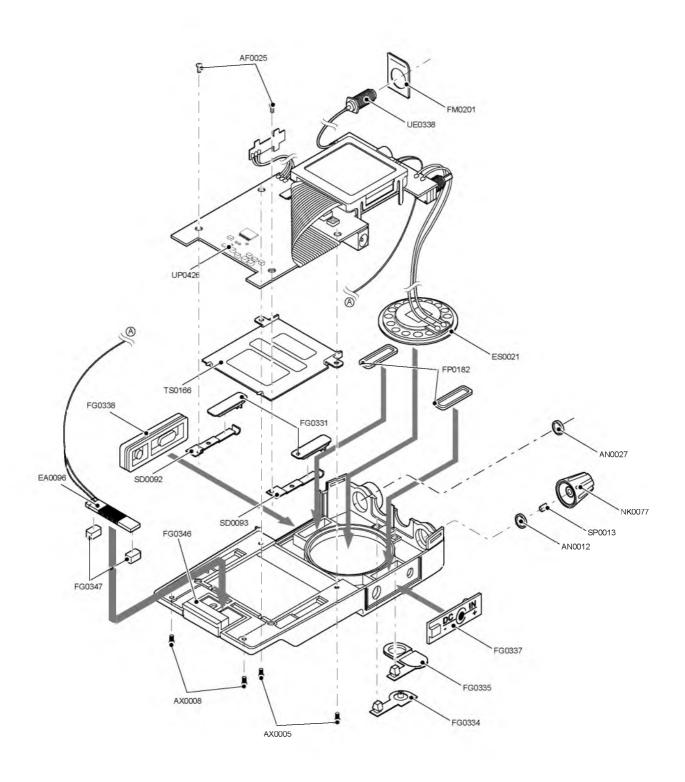
| Pin No | COM0 | COM1 | COM2 | COM3 |
|--------|------|------|------|------|
| 1      | COM0 | -    | -    | -    |
| 2      | -    | COM1 | -    | -    |
| 3      | -    | -    | COM2 | -    |
| 4      | -    | -    | -    | COM3 |
| 5      | D    | E    | F    | С    |
| 6      | Н    |      | J    | G    |
| 7      | L    | М    | N    | K    |
| 8      | Р    | 0    | V    | W    |
| 9      | R    | S    | U    | T    |
| 10     | 9c   | 9b   | 9a   | Υ    |
| 11     | 9e   | 9g   | 9f   | 9d   |
| 12     | 8c   | 8b   | 8a   | Χ    |
| 13     | 8e   | 8g   | 8f   | 8d   |
| 14     | 7c   | 7b   | 7a   | Z    |
| 15     | 7e   | 7g   | 7f   | 7d   |
| 16     | 6c   | 6b   | 6а   | 6h   |
| 17     | 6e   | 6g   | 6f   | 6d   |
| 18     | 5c   | 5b   | 5a   | Q    |
| 19     | 5e   | 5g   | 5f   | 5d   |
| 20     | 4c   | 4b   | 4a   | 4h   |
| 21     | 4e   | 4g   | 4f   | 4d   |
| 22     | 3c   | 3b   | 3а   | B2   |
| 23     | 3e   | 3g   | 3f   | 3d   |
| 24     | 2c   | 2b   | 2a   | B1   |
| 25     | 2e   | 2g   | 2f   | 2d   |
| 26     | 1c   | 1b   | 1a   | А    |
| 27     | 1e   | 1g   | 1f   | 1d   |

# **EXPLODED VIEW**

# 1) Front View



# 2) Bottom View



# **PARTS LIST**

# **MAIN Unit**

| D50PT<br>TR<br>J50PT<br>TR<br>J50PT<br>J25PT  |
|---|
| J50PT<br>TR<br>J50PT                          |
| TR<br>J50PT                                   |
| J50PT   |
|   |
| 125PT   |
| /2011   |
| J25PT   |
| J50PT   |
| 50PT  |
| ER  |
| C50PT   |
| 50PT  |
| J50PT   |
| 50PT  |
| 6PT   |
| 1KT-N   |
| 50PT  |
| J25PT   |
| J50PT   |
| D50PT   |
| MTR   |
| SOPT  |
| I6PT  |
| TR  |
| J25PT   |
| I6PT  |
| 50PT  |
| 2TER  |
| I6PT  |
| J50PT   |
| J50PT   |
| J50PT   |
| I6PT  |
| J50PT   |
| J50PT   |
| J50PT   |
| I6PT  |
| I6PT  |
| I6PT  |
| I6PT  |
| C50PT   |
| I6PT  |
| I6PT  |
| 4KT-N   |
| J50PT   |
| D50PT   |
| 4KT-N   |
| 50PT  |
| MTR   |
| 50PT  |
| 50PT  |
| J50PT   |
| 50PT  |
| CTC1- 11521 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |

| Ref.No. | Parts No. | Descriptin  | Parts Name       | Ve |
|---------|-----------|-------------|------------------|----|
| C107    | CU3502    | Chip C.     | GRM36CK010C50PT  |    |
|         |           |             |                  |    |
| C108    | CU3509    | Chip C.     | GRM36CH080D50PT  |    |
| C109    | CU3509    | Chip C.     | GRM36CH080D50PT  |    |
| C110    | CU3518    | Chip C.     | GRM36CH390J50PT  |    |
|         |           |             |                  |    |
| C111    | CU3535    | Chip C.     | GRM36B102K50PT   |    |
| C112    | CU3516    | Chip C.     | GRM36CH270J50PT  |    |
| C113    | CU3520    | Chip C.     | GRM36CH560J50PT  |    |
| C114    | CU3516    |             |                  |    |
|         |           | Chip C.     | GRM36CH270J50PT  |    |
| C115    | CU3551    | Chip C.     | GRM36B223K16PT   |    |
| C116    | CS0408    | Chip Tantal | 6MCM156MATER     |    |
| C117    | CU3111    | Chip C.     | C1608JB1C104KT-N |    |
|         |           |             |                  |    |
| C118    | CU3535    | Chip C.     | GRM36B102K50PT   |    |
| C119    | CU3515    | Chip C.     | GRM36CH220J50PT  |    |
| C120    | CU3506    | Chip C.     | GRM36CH050C50PT  |    |
|         |           | ~           |                  |    |
| C121    | CU3506    | Chip C.     | GRM36CH050C50PT  |    |
| C122    | CU3518    | Chip C.     | GRM36CH390J50PT  |    |
| C123    | CU3551    | Chip C.     | GRM36B223K16PT   |    |
|         | CU3523    |             | GRM36CH101J50PT  |    |
| C124    |           | Chip C.     |                  |    |
| C125    | CU3523    | Chip C.     | GRM36CH101J50PT  |    |
| C126    | CU3551    | Chip C.     | GRM36B223K16PT   | Ī  |
| C127    | CU3535    | Chip C.     | GRM36B102K50PT   | Ī  |
|         |           |             |                  | Ī  |
| C128    | CU3551    | Chip C.     | GRM36B223K16PT   |    |
| C129    | CU3535    | Chip C.     | GRM36B102K50PT   |    |
| C130    | CS0404    | Chip Tantal | 6MCM106MATER     |    |
|         |           |             |                  |    |
| C131    | CU3535    | Chip C.     | GRM36B102K50PT   |    |
| C132    | CU3514    | Chip C.     | GRM36CH180J50PT  |    |
| C133    | CU3517    | Chip C.     | GRM36CH330J50PT  |    |
| C134    | CU3514    | Chip C.     | GRM36CH180J50PT  |    |
|         |           |             |                  |    |
| C135    | CU3535    | Chip C.     | GRM36B102K50PT   |    |
| C136    | CU3535    | Chip C.     | GRM36B102K50PT   |    |
| C137    | CU3111    | Chip C.     | C1608JB1C104KT-N |    |
|         |           |             |                  |    |
| C138    | CS0408    | Chip Tantal | 6MCM156MATER     |    |
| C139    | CU3531    | Chip C.     | GRM36B471K50PT   |    |
| C140    | CU3111    | Chip C.     | C1608JB1C104KT-N |    |
| C141    | CU3511    |             | GRM36CH100D50PT  |    |
|         |           | Chip C.     |                  |    |
| C142    | CU3547    | Chip C.     | GRM36B103K16PT   |    |
| C143    | CU3111    | Chip C.     | C1608JB1C104KT-N |    |
| C144    | CU3111    | Chip C.     | C1608JB1C104KT-N |    |
|         |           |             |                  |    |
| C145    | CU3111    | Chip C.     | C1608JB1C104KT-N |    |
| C146    | CU3535    | Chip C.     | GRM36B102K50PT   |    |
| C147    | CS0408    | Chip Tantal | 6MCM156MATER     |    |
|         |           |             |                  | Ī  |
| C148    | CU3531    | Chip C.     | GRM36B471K50PT   | Ī  |
| C150    | CS0411    | Chip Tantal | 4MCM226MATER     | Ī  |
| C151    | CU3531    | Chip C.     | GRM36B471K50PT   | Ī  |
| C152    | CU3535    | Chip C.     | GRM36B102K50PT   | Ī  |
|         |           |             |                  |    |
| C153    | CU3511    | Chip C.     | GRM36CH100D50PT  |    |
| C154    | CU3503    | Chip C.     | GRM36CK020C50PT  |    |
| C155    | CU3503    | Chip C.     | GRM36CK020C50PT  |    |
| C156    | CU3535    | Chip C.     | GRM36B102K50PT   | Ī  |
|         |           |             |                  |    |
| C157    | CU3547    | Chip C.     | GRM36B103K16PT   |    |
| C158    | CU3547    | Chip C.     | GRM36B103K16PT   |    |
| C159    | CU3547    | Chip C.     | GRM36B103K16PT   |    |
|         |           |             |                  | Ī  |
| C160    | CU3547    | Chip C.     | GRM36B103K16PT   |    |
| C161    | CU3547    | Chip C.     | GRM36B103K16PT   | Ī  |
| C162    | CU3535    | Chip C.     | GRM36B102K50PT   |    |
| C163    | CS0408    | -           | 6MCM156MATER     |    |
|         |           | Chip Tantal |                  |    |
| C164    | CU3513    | Chip C.     | GRM36CH150J50PT  |    |
| C165    | CU3517    | Chip C.     | GRM36CH330J50PT  |    |
| C166    | CU3515    | Chip C.     | GRM36CH220J50PT  | Ī  |
|         |           | -           |                  | Ī  |
| C167    | CU3111    | Chip C.     | C1608JB1C104KT-N | Ī  |
| C168    | CS0396    | Chip Tantal | TMCP1D104MTR     | Ī  |
|         |           |             | -                |    |

| C169   | Ref.No. | Parts No. | Descriptin  | Parts Name       | Ver |
|--|---------|-----------|-------------|------------------|-----|
| C171   |         |           |             |                  |     |
| C172   | C170    | CU3111    | Chip C.     | C1608JB1C104KT-N |     |
| C173   | C171    | CU3517    | Chip C.     | GRM36CH330J50PT  |     |
| C174   | C172    | CU3517    | Chip C.     | GRM36CH330J50PT  |     |
| C175   | C173    | CU3111    | Chip C.     | C1608JB1C104KT-N |     |
| C176   | C174    | CS0398    | Chip Tantal | TMCP0J225MTR     |     |
| C177   | C175    | CS0398    | Chip Tantal | TMCP0J225MTR     |     |
| C178   | C176    | CU3111    | Chip C.     | C1608JB1C104KT-N |     |
| C179   | C177    | CU3111    | Chip C.     | C1608JB1C104KT-N |     |
| C180   | C178    | CU3547    | Chip C.     | GRM36B103K16PT   |     |
| C181         CS0418         Chip Tantal         TMCMC1C476MTR           C182         CU31111         Chip C.         C1608JB1C104KT-N           C183         CU3531         Chip C.         C1608JB1C104KT-N           C185         CU3535         Chip C.         C1608JB1C104KT-N           C186         CU3535         Chip C.         GRM36B102K50PT           C187         CU3531         Chip C.         GRM36B102K50PT           C188         CU3507         Chip C.         GRM36B102K50PT           C189         CU3504         Chip C.         GRM36CH060D50PT           C190         CU3504         Chip C.         GRM36CH060D50PT           C191         CU3509         Chip C.         GRM36CH080D50PT           C191         CU3509         Chip C.         C1608JB1C104KT-N           C192         CU0108         Chip C.         C1608JB1C104KT-N           C193         CU3111         Chip C.         C1608JB1C104KT-N           C194         CU3503         Chip C.         C1608JB1C104KT-N           C195         CS0395         Chip Tantal         CMK212BJ105KG           C196         CU3111         Chip C.         C608JB1C104KT-N           C196         CS0395   | C179    | CU3513    | Chip C.     | GRM36CH150J50PT  |     |
| C182         CU31111         Chip C.         C1608JB1C104KT-N           C184         CU3111         Chip C.         C1608JB1C104KT-N           C185         CU3535         Chip C.         C1608JB1C104KT-N           C186         CU3535         Chip C.         C1608JB1C104KT-N           C186         CU3535         Chip C.         GRM36B102K50PT           C187         CU3504         Chip C.         GRM36B471K50PT           C188         CU3507         Chip C.         GRM36B471K50PT           C189         CU3504         Chip C.         GRM36CH060D50PT           C190         CU3504         Chip C.         GRM36CH080D50PT           C191         CU3509         Chip C.         C1608JB1C104KT-N           C193         CU3111         Chip C.         C1608JB1C104KT-N           C194         CU3503         Chip C.         C1608JB1C104KT-N           C195         CS0395         Chip Tantal         CMK212BJ105KG           C197         CU3518         Chip C.         C1608JB1C104KT-N           C199         CS0411         Chip Tantal         CMCM26MATER           C201         CU3547         Chip C.         CRM36B102K50PT           C202         CU3547         Ch  | C180    | CU3531    | Chip C.     | GRM36B471K50PT   |     |
| C183         CU3531         Chip C.         GRM36B471K50PT           C184         CU3111         Chip C.         C1608JB1C104KT-N           C185         CU3535         Chip C.         GRM36B102K50PT           C186         CU3535         Chip C.         GRM36B102K50PT           C187         CU3531         Chip C.         GRM36B471K50PT           C188         CU3504         Chip C.         GRM36CJ030C50PT           C190         CU3504         Chip C.         GRM36CJ030C50PT           C191         CU3509         Chip C.         GRM36CJ030C50PT           C191         CU3509         Chip C.         GRM36CH080D50PT           C192         CU0108         Chip C.         GRM36CH080D50PT           C193         CU3111         Chip C.         GRM36CH080D50PT           C193         CU3111         Chip C.         GRM36CH080D50PT           C192         CU3503         Chip C.         GRM36CH080D50PT           C193         CU3111         Chip C.         GRM36CH080D50PT           C194         CU3518         Chip C.         GRM36CH080D50PT           C195         CU3518         Chip C.         GRM36CH080D50PT           C199         CS0411         Chip C.   |         |           | Chip Tantal | TMCMC1C476MTR    |     |
| C184         CU31111         Chip C.         C1608JB1C104KT-N           C185         CU35355         Chip C.         GRM36B102K50PT           C186         CU35355         Chip C.         GRM36B102K50PT           C187         CU3531         Chip C.         GRM36B471K50PT           C188         CU3507         Chip C.         GRM36CJ030C50PT           C189         CU3504         Chip C.         GRM36CH080D50PT           C191         CU3509         Chip C.         GRM36CH080D50PT           C192         CU0108         Chip C.         GRM36CH080D50PT           C193         CU3111         Chip C.         C1608JB1C104KT-N           C194         CU3503         Chip C.         C1608JB1C104KT-N           C194         CU3503         Chip C.         C1608JB1C104KT-N           C194         CU3511         Chip C.         C1608JB1C104KT-N           C195         CS0395         Chip Tantal         Chip C.           C197         CU3518         Chip C.         GRM36CH030J50PT           C199         CS0411         Chip C.         GRM36B102K50PT           C199         CS0411         Chip C.         GRM36B102K50PT           C199         CS0411         Chip C. <td></td> <td></td> <td></td> <td>C1608JB1C104KT-N</td> <td></td>   |         |           |             | C1608JB1C104KT-N |     |
| C185         CU35355         Chip C.         GRM36B102K50PT           C186         CU35351         Chip C.         GRM36B102K50PT           C187         CU3531         Chip C.         GRM36B471K50PT           C188         CU3504         Chip C.         GRM36CH060D50PT           C189         CU3504         Chip C.         GRM36CJ030C50PT           C190         CU3504         Chip C.         GRM36CH080D50PT           C191         CU3503         Chip C.         GRM36CH080D50PT           C192         CU01018         Chip C.         C1608JB1C104KT-N           C193         CU3111         Chip C.         C1608JB1C104KT-N           C194         CU3503         Chip C.         GRM36CK020C50PT           C195         CS0395         Chip C.         GRM36CK020C50PT           C196         CU3111         Chip C.         GRM36CK020C50PT           C197         CU3518         Chip C.         GRM36CH080D50PT           C196         CU3111         Chip C.         GRM36CK020C50PT           C197         CU3518         Chip C.         GRM36CH080D50PT           C196         CU3111         Chip C.         GRM36B102K50PT           C197         CU35187         Chip Ta  |         | CU3531    |             | GRM36B471K50PT   |     |
| C186         CU35355         Chip C.         GRM36B102K50PT           C187         CU3531         Chip C.         GRM36B471K50PT           C188         CU3507         Chip C.         GRM36CH060D50PT           C189         CU3504         Chip C.         GRM36CJ030C50PT           C190         CU3509         Chip C.         GRM36CJ030C50PT           C191         CU3509         Chip C.         GRM36CJ030C50PT           C192         CU0108         Chip C.         CH608JB1C104KT-N           C194         CU3503         Chip C.         C1608JB1C104KT-N           C195         CS0395         Chip C.         CH608JB1C104KT-N           C196         CU3111         Chip C.         GRM36CK020C50PT           C197         CU3518         Chip C.         GRM36CK020C50PT           C198         CU3535         Chip C.         GRM36CH390J50PT           C199         CS0411         Chip C.         GRM36B102K50PT           C199         CS0411         Chip C.         GRM36B103K16PT           C201         CU3547         Chip C.         GRM36B103K16PT           C202         CU3547         Chip C.         GRM36B103K16PT           C204         CS0398         Chip C. <td></td> <td>CU3111</td> <td></td> <td>C1608JB1C104KT-N</td> <td></td>  |         | CU3111    |             | C1608JB1C104KT-N |     |
| C187         CU3531         Chip C.         GRM36B471K50PT           C188         CU3507         Chip C.         GRM36CH060D50PT           C189         CU3504         Chip C.         GRM36CJ030C50PT           C190         CU3504         Chip C.         GRM36CJ030C50PT           C191         CU3509         Chip C.         GRM36CH080D50PT           C191         CU3503         Chip C.         GRM36CH080D50PT           C192         CU3111         Chip C.         C1608JB1C104KT-N           C194         CU3503         Chip C.         GRM36CK020C50PT           C195         CS0395         Chip C.         GRM36CK020C50PT           C196         CU3111         Chip C.         GRM36CK020C50PT           C197         CU3518         Chip C.         GRM36CK020C50PT           C199         CS0411         Chip C.         GRM36CH390J50PT           C199         CS0411         Chip C.         GRM36B102K50PT           C199         CS0411         Chip C.         GRM36B103K16PT           C201         CU3547         Chip C.         GRM36B103K16PT           C202         CU3547         Chip C.         GRM36B103K16PT           C205         CU3551         Chip C.  | C185    | CU3535    | Chip C.     | GRM36B102K50PT   |     |
| C188         CU3507         Chip C.         GRM36CH060D50PT           C189         CU3504         Chip C.         GRM36CJ030C50PT           C190         CU3504         Chip C.         GRM36CJ030C50PT           C191         CU3509         Chip C.         GRM36CH080D50PT           C192         CU0108         Chip C.         C1608JB1C104KT-N           C193         CU3111         Chip C.         C1608JB1C104KT-N           C194         CU3513         Chip C.         C1608JB1C104KT-N           C195         CS0395         Chip Tantal         TMCMB0G686MTR           C196         CU3111         Chip C.         C1608JB1C104KT-N           C197         CU3518         Chip C.         C1608JB1C104KT-N           C198         CS0341         Chip C.         GRM36CH390J50PT           C199         CS0411         Chip C.         GRM36B102K50PT           C199         CS0411         Chip Tantal         CMMC226MATER           C201         CU3547         Chip C.         GRM36B103K16PT           C202         CU3547         Chip C.         GRM36B103K16PT           C204         CS0398         Chip Tantal         CMK212BJ105KG           C204         CU3511         Ch  |         |           |             |                  |     |
| C189         CU3504         Chip C.         GRM36CJ030C50PT           C190         CU3504         Chip C.         GRM36CJ030C50PT           C191         CU3509         Chip C.         GRM36CH080D50PT           C192         CU0108         Chip C.         CH608JB1C104KT-N           C193         CU3111         Chip C.         C1608JB1C104KT-N           C194         CU3503         Chip Tantal         GRM36CK020C50PT           C195         CS0395         Chip Tantal         TMCMB0G686MTR           C196         CU3111         Chip C.         C1608JB1C104KT-N           C197         CU3518         Chip C.         C1608JB1C104KT-N           C199         CS0411         Chip C.         CH608JBC104KT-N           C199         CS0411         Chip C.         GRM36CH390J50PT           C199         CS0411         Chip C.         GRM36B102K50PT           C199         CS0411         Chip Tantal         CMMCM226MATER           C201         CU3547         Chip C.         GRM36B103K16PT           C202         CU3547         Chip C.         GRM36B223K16PT           C204         CS0398         Chip Tantal         CMK212BJ105KG           C206         CU3511 <t< td=""><td>1</td><td></td><td></td><td></td><td></td></t<>   | 1       |           |             |                  |     |
| C190         CU3504         Chip C.         GRM36CJ030C50PT           C191         CU3509         Chip C.         GRM36CH080D50PT           C192         CU0108         Chip C.         Chip C.           C193         CU3111         Chip C.         C1608JB1C104KT-N           C194         CU3503         Chip Tantal         C1608JB1C104KT-N           C195         CS0395         Chip Tantal         C1608JB1C104KT-N           C197         CU3518         Chip C.         C1608JB1C104KT-N           C198         CU3535         Chip C.         C1608JB1C104KT-N           C199         CS0411         Chip C.         GRM36CH080D50PT           C196         CU3111         Chip C.         C1608JB1C104KT-N           C197         CU3518         Chip C.         GRM36B102K50PT           C198         CU3545         Chip C.         GRM36B102K50PT           C199         CS0411         Chip Tantal         TMCMB0G686MTR           C200         CU3547         Chip C.         GRM36B103K16PT           C201         CU3551         Chip C.         GRM36B223K16PT           C204         CS0398         Chip Tantal         Chip C.           C210         CU3111         Chip C. </td <td></td> <td></td> <td></td> <td></td> <td></td>   |         |           |             |                  |     |
| C191         CU3509         Chip C.         GRM36CH080D50PT           C192         CU0108         Chip C.         Chip C.           C193         CU3111         Chip C.         C1608JB1C104KT-N           C194         CU3503         Chip C.         GRM36CK020C50PT           C195         CS0395         Chip Tantal         C1608JB1C104KT-N           C197         CU3518         Chip C.         C1608JB1C104KT-N           C198         CU3535         Chip C.         C1608JB1C104KT-N           C199         CS0411         Chip C.         GRM36CH0390J50PT           C199         CS0411         Chip C.         GRM36B102K50PT           C199         CS0411         Chip Tantal         CMMC226MATER           C201         CU3547         Chip C.         GRM36B103K16PT           C201         CU3547         Chip C.         GRM36B103K16PT           C202         CU3547         Chip C.         Chip C.           C204         CS0398         Chip Tantal         LMK212BJ105KG           C206         CU3551         Chip C.         GRM36B223K16PT           C207         CU3551         Chip C.         C1608JB1C104KT-N           C210         CU3111         Chip C.   |         |           |             |                  |     |
| C192         CU0108         Chip C.         LMK212BJ105KG           C193         CU3111         Chip C.         C1608JB1C104KT-N           C194         CU3503         Chip C.         C1608JB1C104KT-N           C195         CS0395         Chip Tantal         TMCMB0G686MTR           C196         CU3111         Chip C.         C1608JB1C104KT-N           C197         CU3518         Chip C.         GRM36CH390J50PT           C198         CU3535         Chip C.         GRM36B102K50PT           C199         CS0411         Chip Tantal         C1608JB1C104KT-N           C200         CS0395         Chip Tantal         C1608JB1C104KT-N           C201         CU3547         Chip C.         GRM36B102K50PT           C202         CU3547         Chip C.         GRM36B103K16PT           C203         CU0108         Chip C.         GRM36B103K16PT           C204         CS0398         Chip Tantal         LMK212BJ105KG           C205         CU3551         Chip C.         GRM36B223K16PT           C206         CU3551         Chip C.         GRM36B223K16PT           C201         CU33111         Chip C.         Chip Alametrical           C210         CU3511 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>  |         |           |             |                  |     |
| C193         CU31111         Chip C.         C1608JB1C104KT-N           C194         CU3503         Chip C.         GRM36CK020C50PT           C195         CS0395         Chip C.         C1608JB1C104KT-N           C196         CU3111         Chip C.         C1608JB1C104KT-N           C197         CU3518         Chip C.         C1608JB1C104KT-N           C199         CS0411         Chip C.         GRM36B102K50PT           C199         CS0411         Chip Tantal         TMCMB0G686MTR           C201         CU3547         Chip C.         GRM36B103K16PT           C202         CU3547         Chip C.         GRM36B103K16PT           C203         CU0108         Chip C.         GRM36B103K16PT           C204         CS0398         Chip Tantal         LMK212BJ105KG           C204         CS0398         Chip C.         GRM36B223K16PT           C205         CU3551         Chip C.         GRM36B223K16PT           C207         CU3551         Chip C.         GRM36B223K16PT           C209         CU3111         Chip C.         C1608JB1C104KT-N           C210         CU3111         Chip C.         C1608JB1C104KT-N           C211         CU311         Chip C  |         |           |             |                  |     |
| C194         CU3503         Chip C.         GRM36CK020C50PT           C195         CS0395         Chip Tantal         TMCMB0G686MTR           C196         CU3111         Chip C.         C1608JB1C104KT-N           C197         CU3518         Chip C.         GRM36CH390J50PT           C198         CU3535         Chip C.         GRM36B102K50PT           C199         CS0411         Chip Tantal         TMCMB0G686MTR           C200         CS0395         Chip Tantal         TMCMB0G686MTR           C201         CU3547         Chip C.         GRM36B103K16PT           C202         CU3547         Chip C.         GRM36B103K16PT           C203         CU0108         Chip C.         GRM36B103K16PT           C204         CS0398         Chip C.         GRM36B223K16PT           C205         CU3551         Chip C.         GRM36B223K16PT           C206         CU3551         Chip C.         GRM36B223K16PT           C207         CU3551         Chip C.         C1608JB1C104KT-N           C210         CU3111         Chip C.         C1608JB1C104KT-N           C211         CU3111         Chip C.         C1608JB1C104KT-N           C212         CS0398         Chip T  |         |           |             |                  |     |
| C195         CS0395         Chip Tantal         TMCMB0G686MTR           C196         CU3111         Chip C.         C1608JB1C104KT-N           C197         CU3518         Chip C.         GRM36CH390J50PT           C198         CU3535         Chip C.         GRM36B102K50PT           C199         CS0411         Chip Tantal         4MCM226MATER           C200         CS0395         Chip Tantal         TMCMB0G686MTR           C201         CU3547         Chip C.         GRM36B103K16PT           C202         CU3547         Chip C.         GRM36B103K16PT           C203         CU0108         Chip C.         GRM36B103K16PT           C204         CS0398         Chip C.         GRM36B103K16PT           C205         CU0108         Chip C.         GRM36B223K16PT           C206         CU3551         Chip C.         GRM36B223K16PT           C207         CU3551         Chip C.         C1608JB1C104KT-N           C210         CU3111         Chip C.         C1608JB1C104KT-N           C211         CU3111         Chip C.         C1608JB1C104KT-N           C212         CS0398         Chip Tantal         TMCP0J225MTR           C215         CU3545         Chip C  |         |           |             |                  |     |
| C196         CU3111         Chip C.         C1608JB1C104KT-N           C197         CU3518         Chip C.         GRM36CH390J50PT           C198         CU3535         Chip C.         GRM36B102K50PT           C199         CS0411         Chip Tantal         4MCM226MATER           C200         CS0395         Chip Tantal         TMCMB0G686MTR           C201         CU3547         Chip C.         GRM36B103K16PT           C203         CU0108         Chip C.         GRM36B103K16PT           C203         CU0108         Chip C.         LMK212BJ105KG           C204         CS0398         Chip Tantal         TMCP0J225MTR           C205         CU3551         Chip C.         GRM36B223K16PT           C206         CU3551         Chip C.         GRM36B223K16PT           C207         CU3551         Chip C.         GRM36B223K16PT           C209         CU3111         Chip C.         C1608JB1C104KT-N           C210         CU3111         Chip C.         C1608JB1C104KT-N           C212         CS0398         Chip Tantal         TMCP1C105MTR           C212         CS0398         Chip Tantal         TMCP0J225MTR           C215         CU3523         Chip C.<  |         |           |             |                  |     |
| C197         CU3518         Chip C.         GRM36CH390J50PT           C198         CU3535         Chip C.         GRM36B102K50PT           C199         CS0411         Chip Tantal         4MCM226MATER           C200         CS0395         Chip Tantal         TMCMB0G686MTR           C201         CU3547         Chip C.         GRM36B103K16PT           C202         CU3547         Chip C.         GRM36B103K16PT           C203         CU0108         Chip C.         LMK212BJ105KG           C204         CS0398         Chip Tantal         TMCP0J225MTR           C205         CU3551         Chip C.         GRM36B223K16PT           C206         CU3551         Chip C.         GRM36B223K16PT           C207         CU3551         Chip C.         GRM36B223K16PT           C209         CU3111         Chip C.         C1608JB1C104KT-N           C210         CU3111         Chip C.         C1608JB1C104KT-N           C212         CS0398         Chip Tantal         TMCP0J225MTR           C213         CS0395         Chip Tantal         TMCP0J225MTR           C214         CU3111         Chip C.         C1608JB1C104KT-N           C215         CU3523         Chip C.<  |         |           |             |                  |     |
| C198         CU3535         Chip C.         GRM36B102K50PT           C199         CS0411         Chip Tantal         4MCM226MATER           C200         CS0395         Chip Tantal         TMCMB0G686MTR           C201         CU3547         Chip C.         GRM36B103K16PT           C202         CU3547         Chip C.         GRM36B103K16PT           C203         CU0108         Chip C.         LMK212BJ105KG           C204         CS0398         Chip Tantal         TMCP0J225MTR           C205         CU0108         Chip C.         LMK212BJ105KG           C206         CU3551         Chip C.         GRM36B223K16PT           C207         CU3551         Chip C.         GRM36B223K16PT           C208         CS0397         Chip C.         GRM36B223K16PT           C209         CU3111         Chip C.         C1608JB1C104KT-N           C210         CU3111         Chip C.         C1608JB1C104KT-N           C211         CU3111         Chip C.         C1608JB1C104KT-N           C212         CS0398         Chip Tantal         TMCP0J225MTR           C214         CU3111         Chip C.         C1608JB1C104KT-N           C215         CU35523         Chip Tant  | 1       |           |             |                  |     |
| C199         CS0411         Chip Tantal         4MCM226MATER           C200         CS0395         Chip Tantal         TMCMB0G686MTR           C201         CU3547         Chip C.         GRM36B103K16PT           C202         CU3547         Chip C.         GRM36B103K16PT           C203         CU0108         Chip C.         LMK212BJ105KG           C204         CS0398         Chip Tantal         LMK212BJ105KG           C205         CU0108         Chip C.         GRM36B223K16PT           C206         CU3551         Chip C.         GRM36B223K16PT           C207         CU3551         Chip C.         GRM36B223K16PT           C208         CS0397         Chip Tantal         TMCP1C105MTR           C209         CU3111         Chip C.         C1608JB1C104KT-N           C211         CU3111         Chip C.         C1608JB1C104KT-N           C212         CS0398         Chip Tantal         TMCP0J225MTR           C212         CS0398         Chip Tantal         TMCP0J225MTR           C214         CU3111         Chip C.         C1608JB1C104KT-N           C215         CU3545         Chip C.         GRM36B682K25PT           C216         CU3545         Chip C  |         |           |             |                  |     |
| C200         CS0395         Chip Tantal         TMCMB0G686MTR           C201         CU3547         Chip C.         GRM36B103K16PT           C202         CU3547         Chip C.         GRM36B103K16PT           C203         CU0108         Chip C.         LMK212BJ105KG           C204         CS0398         Chip Tantal         LMK212BJ105KG           C205         CU0108         Chip C.         GRM36B223K16PT           C206         CU3551         Chip C.         GRM36B223K16PT           C207         CU3551         Chip C.         GRM36B223K16PT           C208         CS0397         Chip Tantal         TMCP1C105MTR           C209         CU3111         Chip C.         C1608JB1C104KT-N           C210         CU3111         Chip C.         C1608JB1C104KT-N           C211         CU3111         Chip C.         C1608JB1C104KT-N           C212         CS0398         Chip Tantal         TMCP0J225MTR           C213         CS0395         Chip Tantal         TMCMB0G686MTR           C214         CU3111         Chip C.         C1608JB1C104KT-N           C215         CU3545         Chip C.         GRM36B682K25PT           C216         CU3545         Chip   |         |           |             |                  |     |
| C201         CU3547         Chip C.         GRM36B103K16PT           C202         CU3547         Chip C.         GRM36B103K16PT           C203         CU0108         Chip C.         LMK212BJ105KG           C204         CS0398         Chip Tantal         TMCP0J225MTR           C205         CU0108         Chip C.         LMK212BJ105KG           C206         CU3551         Chip C.         GRM36B223K16PT           C207         CU3551         Chip C.         GRM36B223K16PT           C208         CS0397         Chip Tantal         TMCP1C105MTR           C209         CU3111         Chip C.         C1608JB1C104KT-N           C210         CU3111         Chip C.         C1608JB1C104KT-N           C211         CU3111         Chip C.         C1608JB1C104KT-N           C212         CS0398         Chip Tantal         TMCP0J225MTR           C212         CS0398         Chip Tantal         TMCP0J225MTR           C214         CU3111         Chip C.         C1608JB1C104KT-N           C215         CU3523         Chip C.         GRM36B682K25PT           C216         CU3545         Chip C.         GRM36B682K25PT           C218         CU3027         Chip C. <td></td> <td></td> <td></td> <td></td> <td></td>  |         |           |             |                  |     |
| C202         CU3547         Chip C.         GRM36B103K16PT           C203         CU0108         Chip C.         LMK212BJ105KG           C204         CS0398         Chip Tantal         TMCP0J225MTR           C205         CU0108         Chip C.         LMK212BJ105KG           C206         CU3551         Chip C.         GRM36B223K16PT           C207         CU3551         Chip C.         GRM36B223K16PT           C208         CS0397         Chip Tantal         TMCP1C105MTR           C209         CU3111         Chip C.         C1608JB1C104KT-N           C210         CU3111         Chip C.         C1608JB1C104KT-N           C211         CU3111         Chip C.         C1608JB1C104KT-N           C212         CS0398         Chip Tantal         TMCP0J225MTR           C212         CS0398         Chip Tantal         TMCP0J225MTR           C214         CU3111         Chip C.         C1608JB1C104KT-N           C215         CU3523         Chip C.         GRM36B682K25PT           C216         CU3545         Chip C.         GRM36B682K25PT           C217         CU3535         Chip C.         GRM36B682K25PT           C218         CU3027         Chip C. <td></td> <td></td> <td></td> <td></td> <td></td>  |         |           |             |                  |     |
| C203         CU0108         Chip C.         LMK212BJ105KG           C204         CS0398         Chip Tantal         TMCP0J225MTR           C205         CU0108         Chip C.         LMK212BJ105KG           C206         CU3551         Chip C.         GRM36B223K16PT           C207         CU3551         Chip C.         GRM36B223K16PT           C208         CS0397         Chip Tantal         TMCP1C105MTR           C209         CU3111         Chip C.         C1608JB1C104KT-N           C210         CU3111         Chip C.         C1608JB1C104KT-N           C211         CU3111         Chip C.         C1608JB1C104KT-N           C212         CS0398         Chip Tantal         TMCP0J225MTR           C212         CS0398         Chip Tantal         TMCP0J225MTR           C212         CS0395         Chip Tantal         TMCP0J225MTR           C214         CU3111         Chip C.         C1608JB1C104KT-N           C215         CU3523         Chip C.         GRM36B682K25PT           C216         CU3545         Chip C.         GRM36B682K25PT           C217         CU3545         Chip C.         GRM36B682K25PT           C219         CU3551         Chip C. </td <td>1</td> <td></td> <td></td> <td></td> <td></td>  | 1       |           |             |                  |     |
| C204         CS0398         Chip Tantal         TMCP0J225MTR           C205         CU0108         Chip C.         LMK212BJ105KG           C206         CU3551         Chip C.         GRM36B223K16PT           C207         CU3551         Chip C.         GRM36B223K16PT           C208         CS0397         Chip Tantal         TMCP1C105MTR           C209         CU3111         Chip C.         C1608JB1C104KT-N           C210         CU3111         Chip C.         C1608JB1C104KT-N           C211         CU3111         Chip C.         C1608JB1C104KT-N           C212         CS0398         Chip Tantal         TMCP0J225MTR           C213         CS0395         Chip Tantal         TMCP0J225MTR           C214         CU3111         Chip C.         GRM36B682K25PT           C215         CU3545         Chip C.         GRM36B682K25PT           C216         CU3545         Chip  | 1       |           |             |                  |     |
| C205         CU0108         Chip C.         LMK212BJ105KG           C206         CU3551         Chip C.         GRM36B223K16PT           C207         CU3551         Chip C.         GRM36B223K16PT           C208         CS0397         Chip Tantal         TMCP1C105MTR           C209         CU3111         Chip C.         C1608JB1C104KT-N           C210         CU3111         Chip C.         C1608JB1C104KT-N           C211         CU3111         Chip C.         C1608JB1C104KT-N           C212         CS0398         Chip Tantal         TMCP0J225MTR           C213         CS0395         Chip Tantal         TMCMB0G686MTR           C214         CU3111         Chip C.         GRM36CH101J50PT           C215         CU3523         Chip C.         GRM36B682K25PT           C216         CU3545         Chip C.         GRM36B682K25PT           C217         CU3545         Chip C.         GRM36B682K25PT           C219         CU3535         Chip C.         GRM36B102K50PT           C219         CU3551         Chip C.         GRM36B223K16PT           D1         XD0339         Diode         1SV308(TPH3)           D2         XD0342         Diode         <   |         |           |             |                  |     |
| C206 CU3551 Chip C. C207 CU3551 Chip C. C208 CS0397 Chip Tantal C209 CU3111 Chip C. C210 CU3111 Chip C. C211 CU3111 Chip C. C212 CS0398 Chip Tantal C213 CS0395 Chip Tantal C214 CU3111 Chip C. C215 CU3523 Chip C. C216 CU3545 Chip C. C217 CU3545 Chip C. C218 CU3027 Chip C. C219 CU3551 Chip C. C219 CU3551 Chip C. C219 CU3551 Chip C. C319 CU3535 Chip C. C31008CH1H221JT-AS C31008CH1H |         |           |             |                  |     |
| C207 CU3551 Chip C. C208 CS0397 Chip Tantal C209 CU3111 Chip C. C210 CU3111 Chip C. C211 CU3111 Chip C. C212 CS0398 Chip Tantal C213 CS0395 Chip Tantal C214 CU3111 Chip C. C215 CU3523 Chip C. C216 CU3545 Chip C. C217 CU3545 Chip C. C218 CU3027 Chip C. C219 CU3535 Chip C. C219 CU3535 Chip C. C219 CU3535 Chip C. C210 CU3545 Chip C. C211 CU3111 Chip C. C311 CHip C. C312 CS0398 Chip C. C313 CS0395 Chip C. C314 CU3111 Chip C. C315 CU3523 Chip C. C316 CU3545 Chip C. C317 CU3545 Chip C. C317 CU3545 Chip C. C318 CU3027 Chip C. C319 CU3535 Chip C. C310 CU3551 Chip C. C310 CU3551 Chip C. C310 CU3551 Chip C. C310 CU3541 Chip C. C310 CHONATON C31 |         |           |             |                  |     |
| C208         CS0397         Chip Tantal         TMCP1C105MTR           C209         CU3111         Chip C.         C1608JB1C104KT-N           C210         CU3111         Chip C.         C1608JB1C104KT-N           C211         CU3111         Chip C.         C1608JB1C104KT-N           C212         CS0398         Chip Tantal         TMCP0J225MTR           C213         CS0395         Chip Tantal         TMCMB0G686MTR           C214         CU3111         Chip C.         GRM36CH101J50PT           C215         CU3523         Chip C.         GRM36B682K25PT           C216         CU3545         Chip C.         GRM36B682K25PT           C217         CU3545         Chip C.         GRM36B682K25PT           C219         CU3535         Chip C.         GRM36B102K50PT           C219         CU3551         Chip C.         GRM36B102K50PT           C220         CU3551         Chip C.         GRM36B223K16PT           D1         XD0339         Diode         1SS390 TE61           D3         XD0342         Diode         1SS390 TE61           D4         XD0342         Diode         1SS390 TE61           D6         XD0342         Diode         1SS390 TE61   | 1       |           |             |                  |     |
| C209         CU3111         Chip C.         C1608JB1C104KT-N           C210         CU3111         Chip C.         C1608JB1C104KT-N           C211         CU3111         Chip C.         C1608JB1C104KT-N           C212         CS0398         Chip Tantal         TMCP0J225MTR           C213         CS0395         Chip Tantal         TMCMB0G686MTR           C214         CU3111         Chip C.         GRM36CH101J50PT           C215         CU3523         Chip C.         GRM36B682K25PT           C216         CU3545         Chip C.         GRM36B682K25PT           C217         CU3545         Chip C.         GRM36B682K25PT           C218         CU3027         Chip C.         GRM36B682K25PT           C219         CU3535         Chip C.         GRM36B102K50PT           C220         CU3551         Chip C.         GRM36B223K16PT           D1         XD0339         Diode         1SV308(TPH3)           D2         XD0342         Diode         1SS390 TE61           D4         XD0342         Diode         1SS390 TE61           D5         XD0342         Diode         1SS390 TE61           D6         XD0342         Diode         1SS390 TE61   |         |           |             |                  |     |
| C210         CU3111         Chip C.         C1608JB1C104KT-N           C211         CU3111         Chip C.         C1608JB1C104KT-N           C212         CS0398         Chip Tantal         TMCP0J225MTR           C213         CS0395         Chip Tantal         TMCMB0G686MTR           C214         CU3111         Chip C.         C1608JB1C104KT-N           C215         CU3523         Chip C.         GRM36CH101J50PT           C216         CU3545         Chip C.         GRM36B682K25PT           C217         CU3545         Chip C.         GRM36B682K25PT           C218         CU3027         Chip C.         GRM36B682K25PT           C219         CU3535         Chip C.         GRM36B102K50PT           C220         CU3551         Chip C.         GRM36B223K16PT           D1         XD0339         Diode         1SV308(TPH3)           D2         XD0342         Diode         1SS390 TE61           D3         XD0342         Diode         1SS390 TE61           D4         XD0342         Diode         1SS390 TE61           D5         XD0342         Diode         1SS390 TE61           D6         XD0342         Diode         1SS390 TE61  |         |           |             |                  |     |
| C211         CU3111         Chip C.         C1608JB1C104KT-N           C212         CS0398         Chip Tantal         TMCP0J225MTR           C213         CS0395         Chip Tantal         TMCMB0G686MTR           C214         CU3111         Chip C.         C1608JB1C104KT-N           C215         CU3523         Chip C.         GRM36CH101J50PT           C216         CU3545         Chip C.         GRM36B682K25PT           C217         CU3545         Chip C.         GRM36B682K25PT           C218         CU3027         Chip C.         C1608CH1H221JT-AS           C219         CU3535         Chip C.         GRM36B102K50PT           C220         CU3551         Chip C.         GRM36B223K16PT           D1         XD0339         Diode         1SV308(TPH3)           D2         XD0342         Diode         1SS390 TE61           D4         XD0342         Diode         1SS390 TE61           D5         XD0342         Diode         1SS390 TE61           D6         XD0342         Diode         1SS390 TE61           D7         XD0338         Diode         1SS390 TE61           D7         XD0338         Diode         1SS390 TE61      <   |         |           |             |                  |     |
| C212         CS0398         Chip Tantal         TMCP0J225MTR           C213         CS0395         Chip Tantal         TMCMB0G686MTR           C214         CU3111         Chip C.         C1608JB1C104KT-N           C215         CU3523         Chip C.         GRM36CH101J50PT           C216         CU3545         Chip C.         GRM36B682K25PT           C217         CU3545         Chip C.         GRM36B682K25PT           C218         CU3027         Chip C.         C1608CH1H221JT-AS           C219         CU3535         Chip C.         GRM36B102K50PT           C220         CU3551         Chip C.         GRM36B223K16PT           D1         XD0339         Diode         1SV308(TPH3)           D2         XD0342         Diode         1SS390 TE61           D4         XD0342         Diode         1SS390 TE61           D5         XD0342         Diode         1SS390 TE61           D6         XD0342         Diode         1SS390 TE61           D7         XD0338         Diode         1SS390 TE61           D7         XD0338         Diode         1SS390 TE61           D7         XD0338         Diode         1SS390 TE61   |         |           |             |                  |     |
| C213         CS0395         Chip Tantal         TMCMB0G686MTR           C214         CU3111         Chip C.         C1608JB1C104KT-N           C215         CU3523         Chip C.         GRM36CH101J50PT           C216         CU3545         Chip C.         GRM36B682K25PT           C217         CU3545         Chip C.         GRM36B682K25PT           C218         CU3027         Chip C.         C1608CH1H221JT-AS           C219         CU3535         Chip C.         GRM36B102K50PT           C220         CU3551         Chip C.         GRM36B223K16PT           D1         XD0339         Diode         1SV308(TPH3)           D2         XD0342         Diode         1SS390 TE61           D3         XD0342         Diode         1SS390 TE61           D4         XD0342         Diode         1SS390 TE61           D5         XD0342         Diode         1SS390 TE61           D6         XD0342         Diode         1SS390 TE61           D7         XD0338         Diode         1SS362(TE85L)           D8         XD0339         Diode         1SV308(TPH3)   |         |           |             |                  |     |
| C214         CU3111         Chip C.         C1608JB1C104KT-N           C215         CU3523         Chip C.         GRM36CH101J50PT           C216         CU3545         Chip C.         GRM36B682K25PT           C217         CU3545         Chip C.         GRM36B682K25PT           C218         CU3027         Chip C.         C1608CH1H221JT-AS           C219         CU3535         Chip C.         GRM36B102K50PT           C220         CU3551         Chip C.         GRM36B223K16PT           D1         XD0339         Diode         1SV308(TPH3)           D2         XD0342         Diode         1SS390 TE61           D3         XD0342         Diode         1SS390 TE61           D4         XD0342         Diode         1SS390 TE61           D5         XD0342         Diode         1SS390 TE61           D6         XD0342         Diode         1SS390 TE61           D7         XD0338         Diode         1SS390 TE61           D7         XD0338         Diode         1SS362(TE85L)           D8         XD0339         Diode         1SV308(TPH3)   |         |           |             |                  |     |
| C215         CU3523         Chip C.         GRM36CH101J50PT           C216         CU3545         Chip C.         GRM36B682K25PT           C217         CU3545         Chip C.         GRM36B682K25PT           C218         CU3027         Chip C.         C1608CH1H221JT-AS           C219         CU3535         Chip C.         GRM36B102K50PT           C220         CU3551         Chip C.         GRM36B223K16PT           D1         XD0339         Diode         1SV308(TPH3)           D2         XD0342         Diode         1SS390 TE61           D3         XD0342         Diode         1SS390 TE61           D4         XD0342         Diode         1SS390 TE61           D5         XD0342         Diode         1SS390 TE61           D6         XD0342         Diode         1SS390 TE61           D7         XD0338         Diode         1SS362(TE85L)           D8         XD0339         Diode         1SV308(TPH3)  |         |           |             |                  |     |
| C216         CU3545         Chip C.         GRM36B682K25PT           C217         CU3545         Chip C.         GRM36B682K25PT           C218         CU3027         Chip C.         C1608CH1H221JT-AS           C219         CU3535         Chip C.         GRM36B102K50PT           C220         CU3551         Chip C.         GRM36B223K16PT           D1         XD0339         Diode         1SV308(TPH3)           D2         XD0342         Diode         1SS390 TE61           D3         XD0342         Diode         1SS390 TE61           D4         XD0342         Diode         1SS390 TE61           D5         XD0342         Diode         1SS390 TE61           D6         XD0342         Diode         1SS390 TE61           D7         XD0338         Diode         1SS362(TE85L)           D8         XD0339         Diode         1SV308(TPH3)  |         |           |             |                  |     |
| C217         CU3545         Chip C.         GRM36B682K25PT           C218         CU3027         Chip C.         C1608CH1H221JT-AS           C219         CU3535         Chip C.         GRM36B102K50PT           C220         CU3551         Chip C.         GRM36B223K16PT           D1         XD0339         Diode         1SV308(TPH3)           D2         XD0342         Diode         1SS390 TE61           D3         XD0342         Diode         1SS390 TE61           D4         XD0342         Diode         1SS390 TE61           D5         XD0342         Diode         1SS390 TE61           D6         XD0342         Diode         1SS390 TE61           D7         XD0338         Diode         1SS362(TE85L)           D8         XD0339         Diode         1SV308(TPH3)   |         |           |             |                  |     |
| C218         CU3027         Chip C.         C1608CH1H221JT-AS           C219         CU3535         Chip C.         GRM36B102K50PT           C220         CU3551         Chip C.         GRM36B223K16PT           D1         XD0339         Diode         1SV308(TPH3)           D2         XD0342         Diode         1SS390 TE61           D3         XD0342         Diode         1SS390 TE61           D4         XD0342         Diode         1SS390 TE61           D5         XD0342         Diode         1SS390 TE61           D6         XD0342         Diode         1SS390 TE61           D7         XD0338         Diode         1SS362(TE85L)           D8         XD0339         Diode         1SV308(TPH3)  |         |           |             |                  |     |
| C219         CU3535         Chip C.         GRM36B102K50PT           C220         CU3551         Chip C.         GRM36B223K16PT           D1         XD0339         Diode         1SV308(TPH3)           D2         XD0342         Diode         1SS390 TE61           D3         XD0342         Diode         1SS390 TE61           D4         XD0342         Diode         1SS390 TE61           D5         XD0342         Diode         1SS390 TE61           D6         XD0342         Diode         1SS390 TE61           D7         XD0338         Diode         1SS362(TE85L)           D8         XD0339         Diode         1SV308(TPH3)  |         |           |             |                  |     |
| C220       CU3551       Chip C.       GRM36B223K16PT         D1       XD0339       Diode       1SV308(TPH3)         D2       XD0342       Diode       1SS390 TE61         D3       XD0342       Diode       1SS390 TE61         D4       XD0342       Diode       1SS390 TE61         D5       XD0342       Diode       1SS390 TE61         D6       XD0342       Diode       1SS390 TE61         D7       XD0338       Diode       1SS362(TE85L)         D8       XD0339       Diode       1SV308(TPH3)   |         |           |             |                  |     |
| D1       XD0339       Diode       1SV308(TPH3)         D2       XD0342       Diode       1SS390 TE61         D3       XD0342       Diode       1SS390 TE61         D4       XD0342       Diode       1SS390 TE61         D5       XD0342       Diode       1SS390 TE61         D6       XD0342       Diode       1SS390 TE61         D7       XD0338       Diode       1SS362(TE85L)         D8       XD0339       Diode       1SV308(TPH3)  |         |           |             |                  |     |
| D2       XD0342       Diode       1SS390 TE61         D3       XD0342       Diode       1SS390 TE61         D4       XD0342       Diode       1SS390 TE61         D5       XD0342       Diode       1SS390 TE61         D6       XD0342       Diode       1SS390 TE61         D7       XD0338       Diode       1SS362(TE85L)         D8       XD0339       Diode       1SV308(TPH3)   |         |           |             |                  |     |
| D3       XD0342       Diode       1SS390 TE61         D4       XD0342       Diode       1SS390 TE61         D5       XD0342       Diode       1SS390 TE61         D6       XD0342       Diode       1SS390 TE61         D7       XD0338       Diode       1SS362(TE85L)         D8       XD0339       Diode       1SV308(TPH3)   |         |           |             |                  |     |
| D4       XD0342       Diode       1SS390 TE61         D5       XD0342       Diode       1SS390 TE61         D6       XD0342       Diode       1SS390 TE61         D7       XD0338       Diode       1SS362(TE85L)         D8       XD0339       Diode       1SV308(TPH3)   |         |           |             |                  |     |
| D5         XD0342         Diode         1SS390 TE61           D6         XD0342         Diode         1SS390 TE61           D7         XD0338         Diode         1SS362(TE85L)           D8         XD0339         Diode         1SV308(TPH3)   |         |           |             |                  |     |
| D6       XD0342       Diode       1SS390 TE61         D7       XD0338       Diode       1SS362(TE85L)         D8       XD0339       Diode       1SV308(TPH3)   |         |           |             |                  |     |
| D7 XD0338 Diode 1SS362(TE85L) D8 XD0339 Diode 1SV308(TPH3)   |         |           |             |                  |     |
| D8 XD0339 Diode 1SV308(TPH3)   |         |           |             |                  |     |
| 1 1 1 1 1  |         |           |             |                  |     |
|  | D9      | XD0367    | Diode       | MA2Z720          |     |

| Ref.No.       | Parts No. | Descriptin   | Parts Name           | Ver | Ref.No.  | Parts No. | Descriptin  | Parts Name                    | Ver |
|---------------|-----------|--------------|----------------------|-----|----------|-----------|-------------|-------------------------------|-----|
| $\overline{}$ |           | Diode        | 1SS390 TE61          |     | L4       | QC0586    | Coil        | LQW1608A15NJ00                | 1   |
|               |           | Diode        | DAN235E-TL           |     | L5       | QC0507    | Coil        | LK16081R0K-T                  |     |
|               | XD0338    | Diode        | 1SS362(TE85L)        |     | L6       | QC0507    | Coil        | LK16081R0K-T                  |     |
|               | XD0320    | Diode        | DAN235E-TL           |     | L7       | QC0510    | Coil        | LK1608330M-T                  |     |
|               | XD0252    | Diode        | MA741WK TX           |     | L8       | QC0631    | Coil        | LL1608-FSR22J                 |     |
|               | XD0337    | Diode        | MA2S357-TX           |     | L9       | QC0631    | Coil        | LL1608-FSR22J                 |     |
|               | XD0337    | Diode        | MA2S357-TX           |     | L10      | QC0631    | Coil        | LL1608-FSR22J                 |     |
|               | XD0337    | Diode        | 1SV308(TPH3)         |     | L10      | QC0506    | Coil        | LK1608R56K-T                  |     |
|               | XD0339    | Diode        | 1SS390 TE61          |     | L12      | QC0506    | Coil        | LK1608R56K-T                  |     |
|               | XD0342    | Diode        |                      |     | L12      | QC0300    |             |                               |     |
|               | XD0339    |              | 1SV308(TPH3)         |     | l        |           | Coil        | LQH4N221J04<br>LQW1608A27NJ00 |     |
|               |           | Diode        | MA2S30400L           |     | L15      | QC0589    | Coil        | ,                             |     |
|               | XD0312    | Diode        | MA2S30400L           |     | L16      | QC0497    | Coil        | LQH4N102K04                   |     |
|               | XD0339    | Diode        | 1SV308(TPH3)         |     | L17      | QC0630    | Coil        | LL1608-FSR18J                 |     |
|               | XD0339    | Diode        | 1SV308(TPH3)         |     | L18      | QC0573    | Coil        | LL1608-FHR10J                 |     |
|               | XD0320    | Diode        | DAN235E-TL           |     | L19      | QC0573    | Coil        | LL1608-FHR10J                 |     |
|               | XD0320    | Diode        | DAN235E-TL           |     | L20      | QC0631    | Coil        | LL1608-FSR22J                 |     |
|               | XD0339    | Diode        | 1SV308(TPH3)         |     | L21      | QC0628    | Coil        | LL1608-FSR12J                 |     |
|               | XD0339    | Diode        | 1SV308(TPH3)         |     | L22      | QC0631    | Coil        | LL1608-FSR22J                 |     |
|               | XD0339    | Diode        | 1SV308(TPH3)         |     | L23      | QC0507    | Coil        | LK16081R0K-T                  |     |
|               | XD0339    | Diode        | 1SV308(TPH3)         |     | L24      | QC0570    | Coil        | LL1608-FH56NJ                 |     |
|               | XD0315    | Diode        | MA2S728-TX           |     | L25      | QC0571    | Coil        | LL1608-FH68NJ                 |     |
|               | XD0339    | Diode        | 1SV308(TPH3)         |     | L26      | QC0568    | Coil        | LL1608-FH39NJ                 |     |
|               | XD0339    | Diode        | 1SV308(TPH3)         |     | L27      | QC0566    | Coil        | LL1608-FH27NJ                 |     |
| D33           | XD0320    | Diode        | DAN235E-TL           |     | L28      | QC0573    | Coil        | LL1608-FHR10J                 |     |
| D34           | XD0320    | Diode        | DAN235E-TL           |     | L29      | QC0573    | Coil        | LL1608-FHR10J                 |     |
|               | XD0320    | Diode        | DAN235E-TL           |     | L30      | QC0566    | Coil        | LL1608-FH27NJ                 |     |
| D36           | XD0339    | Diode        | 1SV308(TPH3)         |     | L31      | QC0563    | Coil        | LL1608-FH15NJ                 |     |
| D37           | XD0342    | Diode        | 1SS390 TE61          |     | L32      | QC0566    | Coil        | LL1608-FH27NJ                 |     |
| D38           | XD0320    | Diode        | DAN235E-TL           |     | L33      | QC0564    | Coil        | LL1608-FH18NJ                 |     |
| D39           | XL0036    | Diode        | SML-310MTT86         |     | L34      | QC0570    | Coil        | LL1608-FH56NJ                 |     |
| D40           | XL0036    | Diode        | SML-310MTT86         |     | L35      | QC0570    | Coil        | LL1608-FH56NJ                 |     |
| D41           | XD0342    | Diode        | 1SS390 TE61          |     | L36      | QC0563    | Coil        | LL1608-FH15NJ                 |     |
| D42           | XD0320    | Diode        | DAN235E-TL           |     | L37      | QC0560    | Coil        | LL1608-FH8N2J                 |     |
| D43           | XD0342    | Diode        | 1SS390 TE61          |     | L38      | QC0563    | Coil        | LL1608-FH15NJ                 |     |
| D44           | XD0320    | Diode        | DAN235E-TL           |     | L39      | QC0562    | Coil        | LL1608-FH12NJ                 |     |
| D45           | XD0339    | Diode        | 1SV308(TPH3)         |     | L40      | QH0007    | Coil        | 5CDM 658AN=P3                 |     |
| D46           | XD0342    | Diode        | 1SS390 TE61          |     | L41      | QC0570    | Coil        | LL1608-FH56NJ                 |     |
| FL1           | XC0071    | Filter       | WF447A SAW FILTER    |     | L42      | QC0570    | Coil        | LL1608-FH56NJ                 |     |
| FL2           | XC0075    | Filter       | CFUCG450E-TC         |     | L43      | QC0558    | Coil        | LL1608-FH5N6S                 |     |
| IC1           | XA0312    | Ic           | UPD3140GS-E1         |     | L44      | QC0556    | Coil        | LL1608-FH3N9S                 |     |
| IC2           | XA0665    | Ic           | TK11816MT            |     | L45      | QC0558    | Coil        | LL1608-FH5N6S                 |     |
| IC3           | XA0743    | Ic           | UPC2757T-E3          |     | L46      | QC0561    | Coil        | LL1608-FH10NJ                 |     |
| IC4           | XA0743    | Ic           | UPC2757T-E3          |     | L48      | QC0562    | Coil        | LL1608-FH12NJ                 |     |
| IC5           | XA0833    | Ic           | S-81230SG-QB-T1      |     | L49      | QC0562    | Coil        | LL1608-FH12NJ                 |     |
|               |           | Ic           | TK10931VTL           |     | L50      |           | Coil        | LL1608-FH12NJ                 |     |
|               | XA0836    | Ic           | M38227ECHP-OTP-X3T   | Т   | L51      |           | Coil        | LK16081R0K-T                  |     |
|               | XA0862    | Ic           | M38224M6H-161HP      | Е   | LCD1     | EL0053    | LCD         | WD-S2304I-7TNNAA              |     |
| IC8           | XA0667    | lc           | TA4101F (TE12L)      |     | Q1       | XT0135    | Transistor  | 2SD2216R-TX                   |     |
|               |           | Ic           | TC4W53FU(TE12)       |     | Q2       | XT0061    | Transistor  | 2SB1132T 100Q                 |     |
|               |           | lc           | S-80828ALNP-EAR-T2   |     | Q3       | XE0036    | Transistor  | 2SK881-Y(TE85R)               |     |
|               | XA0669    | lc           | BR24C64F-E2          |     | Q4       | XU0196    | Transistor  | DTC143TE TL                   |     |
|               | XA0573    | lc           | NJM2904V-TE1         |     | Q5       | XE0029    | FET         | 2SK1580-T1                    |     |
|               | XA0786    | lc           | LA3335M-TE-L         |     | Q6       | XT0180    | Transistor  | 2SC5066FT-Y (TE85L            | 1   |
|               | XA0787    | lc           | CXA1622M T4          |     | Q7       | XU0172    | Transistor  | XP1501-TX                     | Ί Ι |
|               | XA0599    | lc           | MB88347LPFV-G-BND-EF |     | Q8       | XE0029    | FET         | 2SK1580-T1                    |     |
|               | XA0850    | Ic           | NJM2107F             |     |          | XT0180    | Transistor  | 2SC5066FT-Y (TE85L            | 1   |
|               | XA0586    | lc           | TC7SET08FU-TE85L     |     |          | XT0180    | Transistor  | 2SC5066FT-Y (TE85L            | ' I |
| JK1           | UJ0015    | Jack         | HEC2781 010020       |     |          | XT0180    | Transistor  | 2SC5066FT-Y (TE85L            | ' I |
| JK2           | UJ0019    | Jack<br>Jack | HSJ1493-01-010       |     | Q12      | XU0196    | Transistor  | DTC143TE TL                   |     |
| L1            | QC0560    | Coil         | LL1608-FH8N2J        |     | Q13      | XT0181    | Transistor  | 2SC4738-BL (TE85R)            |     |
| L2            | QC0573    | Coil         | LL1608-FHR10J        |     | Q14      | XT0181    | Transistor  | 2SC4738-BL (TE85R)            |     |
|               | QC0013    | COII         | LL 1000-1 1 IK 103   |     | <u> </u> | MIDIOI    | 11411515101 | 2004/30-DL (TEOSK)            |     |

| Ref No   | Parts No.        | Descriptin         | Parts Name                 | Ver |
|----------|------------------|--------------------|----------------------------|-----|
| Q15      | XT0180           | Transistor         | 2SC5066FT-Y (TE85L)        | •   |
| Q16      | XU0092           | Transistor         | UN911H-TX                  |     |
| Q17      | XT0180           | Transistor         | 2SC5066FT-Y (TE85L)        |     |
| Q18      | XU0196           | Transistor         | DTC143TE TL                |     |
| Q19      | XT0180           | Transistor         | 2SC5066FT-Y (TE85L)        |     |
| Q20      | XT0180           | Transistor         | 2SC5066FT-Y (TE85L)        |     |
| Q21      | XT0180           | Transistor         | 2SC5066FT-Y (TE85L)        |     |
| Q22      | XT0181           | Transistor         | 2SC4738-BL (TE85R)         |     |
| Q23      | XT0180           | Transistor         | 2SC5066FT-Y (TE85Ĺ)        |     |
| Q24      | XU0196           | Transistor         | DTC143TE TL                |     |
| Q25      | XT0135           | Transistor         | 2SD2216R-TX                |     |
| Q26      | XE0019           | FET                | 2SJ144Y TE85R              |     |
| Q27      | XT0180           | Transistor         | 2SC5066FT-Y (TE85L)        |     |
| Q28      | XU0171           | Transistor         | XP1111-TX                  |     |
| Q29      | XU0171           | Transistor         | XP1111-TX                  |     |
| Q30      | XU0171           | Transistor         | XP1111-TX                  |     |
| Q31      | XU0196           | Transistor         | DTC143TE TL                |     |
| Q32      | XT0180           | Transistor         | 2SC5066FT-Y (TE85L)        |     |
| Q33      | XU0092           | Transistor         | UN911H-TX                  |     |
| Q34      | XT0135           | Transistor         | 2SD2216R-TX                |     |
| Q35      | XU0196           | Transistor         | DTC143TE TL                |     |
| Q36      | XU0196           | Transistor         | DTC143TE TL                |     |
| Q37      | XU0196           | Transistor         | DTC143TE TL                |     |
| Q38      | XT0180           | Transistor         | 2SC5066FT-Y (TE85L)        |     |
| Q39      | XU0172           | Transistor         | XP1501-TX                  |     |
| Q40      | XT0061           | Transistor         | 2SB1132T 100Q              |     |
| Q41      | XU0092           | Transistor         | UN911H-TX                  |     |
| Q42      | XE0029           | FET                | 2SK1580-T1                 |     |
| Q43      | XU0092           | Transistor         | UN911H-TX                  |     |
| Q44      | XU0171           | Transistor         | XP1111-TX                  |     |
| Q45      | XU0171           | Transistor         | XP1111-TX                  |     |
| Q46      | XU0171           | Transistor         | XP1111-TX                  |     |
| Q47      | XU0171           | Transistor         | XP1111-TX                  |     |
| Q48      | XU0171           | Transistor         | XP1111-TX                  |     |
| Q49      | XU0196           | Transistor         | DTC143TE TL                |     |
| Q50      | XU0092           | Transistor         | UN911H-TX                  |     |
| Q51      | XU0196           | Transistor         | DTC143TE TL                |     |
| Q52      | XU0196           | Transistor         | DTC143TE TL                |     |
| Q53      | XE0029           | FET                | 2SK1580-T1                 |     |
| Q54      | XT0135           | Transistor         | 2SD2216R-TX                |     |
| R1       | RK3550           | Chip R.            | ERJ2GEJ103X                |     |
| R2       | RK3526           | Chip R.            | ERJ2GEJ101X                |     |
| R3<br>R4 | RK3521<br>RK3521 | Chip R.<br>Chip R. | ERJ2GEJ390X<br>ERJ2GEJ390X |     |
| R5       | RK3542           | Chip R.            | ERJ2GEJ222X                |     |
| R6       | RK3522           | Chip R.            | ERJ2GEJ470X                |     |
| R7       | RK3526           | Chip R.            | ERJ2GEJ101X                |     |
| R8       | RK3550           | Chip R.            | ERJ2GEJ103X                |     |
| R9       | RK3542           | Chip R.            | ERJ2GEJ222X                |     |
| R10      | RK3546           | Chip R.            | ERJ2GEJ472X                |     |
| R11      | RK3514           | Chip R.            | ERJ2GEJ100X                |     |
| R12      | RK3542           | Chip R.            | ERJ2GEJ222X                |     |
| R13      | RK3522           | Chip R.            | ERJ2GEJ470X                |     |
| R14      | RK3522           | Chip R.            | ERJ2GEJ470X                |     |
| R15      | RK3550           | Chip R.            | ERJ2GEJ103X                |     |
| R16      | RK3542           | Chip R.            | ERJ2GEJ222X                |     |
| R17      | RK3542           | Chip R.            | ERJ2GEJ222X                |     |
| R18      | RK3522           | Chip R.            | ERJ2GEJ470X                |     |
| R19      | RK3550           | Chip R.            | ERJ2GEJ103X                | 1   |
| R20      | RK3526           | Chip R.            | ERJ2GEJ101X                |     |
| R21      | RK3562           | Chip R.            | ERJ2GEJ104X                |     |
|          |                  |                    |                            |     |

| R22         RK3522         Chip R.         ERJ2GEJ470X           R24         RK3530         Chip R.         ERJ2GEJ221X           R25         RK3558         Chip R.         ERJ2GEJ473X           R26         RK3562         Chip R.         ERJ2GEJ104X           R27         RK3530         Chip R.         ERJ2GEJ221X           R28         RK3534         Chip R.         ERJ2GEJ263471X           R29         RK3548         Chip R.         ERJ2GEJ4682X           R30         RK3550         Chip R.         ERJ2GEJ103X           R31         RK3538         Chip R.         ERJ2GEJ103X           R32         RK3550         Chip R.         ERJ2GEJ222X           R33         RK3557         Chip R.         ERJ2GEJ393X           R35         RK3550         Chip R.         ERJ2GEJ103X           R36         RK3542         Chip R.         ERJ2GEJ471X           R38         RK3542         Chip R.         ERJ2GEJ471X           R38         RK3542         Chip R.         ERJ2GEJ472X           R40         RK3546         Chip R.         ERJ2GEJ472X           R41         RK3550         Chip R.         ERJ2GEJ103X           R42 |   |
|--|---|
| R25         RK3558         Chip R.         ERJ2GEJ473X           R26         RK3562         Chip R.         ERJ2GEJ104X           R27         RK3530         Chip R.         ERJ2GEJ221X           R28         RK3534         Chip R.         ERJ2GEJ471X           R29         RK3548         Chip R.         ERJ2GEJ471X           R30         RK3550         Chip R.         ERJ2GEJ103X           R31         RK3538         Chip R.         ERJ2GEJ103X           R32         RK3550         Chip R.         ERJ2GEJ222X           R34         RK3557         Chip R.         ERJ2GEJ393X           R35         RK3550         Chip R.         ERJ2GEJ103X           R36         RK3542         Chip R.         ERJ2GEJ222X           R37         RK3542         Chip R.         ERJ2GEJ471X           R38         RK3542         Chip R.         ERJ2GEJ471X           R38         RK3542         Chip R.         ERJ2GEJ472X           R40         RK3546         Chip R.         ERJ2GEJ472X           R41         RK3550         Chip R.         ERJ2GEJ103X           R42         RK3550         Chip R.         ERJ2GEJ103X           R44     |   |
| R26         RK3562         Chip R.         ERJ2GEJ104X           R27         RK3530         Chip R.         ERJ2GEJ221X           R28         RK3534         Chip R.         ERJ2GEJ471X           R29         RK3548         Chip R.         ERJ2GEJ682X           R30         RK3550         Chip R.         ERJ2GEJ103X           R31         RK3538         Chip R.         ERJ2GEJ102X           R32         RK3550         Chip R.         ERJ2GEJ103X           R33         RK3542         Chip R.         ERJ2GEJ393X           R35         RK3550         Chip R.         ERJ2GEJ103X           R36         RK3542         Chip R.         ERJ2GEJ103X           R36         RK3542         Chip R.         ERJ2GEJ471X           R38         RK3542         Chip R.         ERJ2GEJ471X           R38         RK3542         Chip R.         ERJ2GEJ471X           R38         RK3542         Chip R.         ERJ2GEJ472X           R40         RK3546         Chip R.         ERJ2GEJ472X           R41         RK3550         Chip R.         ERJ2GEJ103X           R42         RK3550         Chip R.         ERJ2GEJ103X           R44     |   |
| R27         RK3530         Chip R.         ERJ2GEJ221X           R28         RK3534         Chip R.         ERJ2GEJ471X           R29         RK3548         Chip R.         ERJ2GEJ682X           R30         RK3550         Chip R.         ERJ2GEJ103X           R31         RK3538         Chip R.         ERJ2GEJ103X           R32         RK3550         Chip R.         ERJ2GEJ222X           R34         RK3557         Chip R.         ERJ2GEJ393X           R35         RK3550         Chip R.         ERJ2GEJ103X           R36         RK3542         Chip R.         ERJ2GEJ103X           R37         RK3534         Chip R.         ERJ2GEJ471X           R38         RK3542         Chip R.         ERJ2GEJ471X           R38         RK3546         Chip R.         ERJ2GEJ472X           R40         RK3546         Chip R.         ERJ2GEJ103X           R41         RK3550         Chip R.         ERJ2GEJ103X           R42         RK3550         Chip R.         ERJ2GEJ103X           R44         RK3540         Chip R.         ERJ2GEJ103X           R44         RK3550         Chip R.         ERJ2GEJ103X           R45     |   |
| R28         RK3534         Chip R.         ERJ2GEJ471X           R29         RK3548         Chip R.         ERJ2GEJ682X           R30         RK3550         Chip R.         ERJ2GEJ103X           R31         RK3538         Chip R.         ERJ2GEJ102X           R32         RK3550         Chip R.         ERJ2GEJ103X           R33         RK3542         Chip R.         ERJ2GEJ222X           R34         RK3557         Chip R.         ERJ2GEJ393X           R35         RK3550         Chip R.         ERJ2GEJ103X           R36         RK3542         Chip R.         ERJ2GEJ222X           R37         RK3534         Chip R.         ERJ2GEJ471X           R38         RK3542         Chip R.         ERJ2GEJ471X           R38         RK3542         Chip R.         ERJ2GEJ472X           R40         RK3546         Chip R.         ERJ2GEJ103X           R41         RK3550         Chip R.         ERJ2GEJ103X           R42         RK3550         Chip R.         ERJ2GEJ103X           R44         RK3540         Chip R.         ERJ2GEJ103X           R44         RK3550         Chip R.         ERJ2GEJ103X           R45     |   |
| R28         RK3534         Chip R.         ERJ2GEJ471X           R29         RK3548         Chip R.         ERJ2GEJ682X           R30         RK3550         Chip R.         ERJ2GEJ103X           R31         RK3538         Chip R.         ERJ2GEJ102X           R32         RK3550         Chip R.         ERJ2GEJ103X           R33         RK3542         Chip R.         ERJ2GEJ222X           R34         RK3557         Chip R.         ERJ2GEJ393X           R35         RK3550         Chip R.         ERJ2GEJ103X           R36         RK3542         Chip R.         ERJ2GEJ222X           R37         RK3534         Chip R.         ERJ2GEJ471X           R38         RK3542         Chip R.         ERJ2GEJ471X           R38         RK3542         Chip R.         ERJ2GEJ472X           R40         RK3546         Chip R.         ERJ2GEJ103X           R41         RK3550         Chip R.         ERJ2GEJ103X           R42         RK3550         Chip R.         ERJ2GEJ103X           R44         RK3540         Chip R.         ERJ2GEJ103X           R44         RK3550         Chip R.         ERJ2GEJ103X           R45     |   |
| R29         RK3548         Chip R.         ERJ2GEJ682X           R30         RK3550         Chip R.         ERJ2GEJ103X           R31         RK3538         Chip R.         ERJ2GEJ102X           R32         RK3550         Chip R.         ERJ2GEJ103X           R33         RK3542         Chip R.         ERJ2GEJ222X           R34         RK3557         Chip R.         ERJ2GEJ393X           R35         RK3550         Chip R.         ERJ2GEJ103X           R36         RK3542         Chip R.         ERJ2GEJ222X           R37         RK3534         Chip R.         ERJ2GEJ471X           R38         RK3542         Chip R.         ERJ2GEJ472X           R39         RK3546         Chip R.         ERJ2GEJ472X           R40         RK3546         Chip R.         ERJ2GEJ103X           R41         RK3550         Chip R.         ERJ2GEJ103X           R42         RK3550         Chip R.         ERJ2GEJ103X           R44         RK3540         Chip R.         ERJ2GEJ103X           R44         RK3550         Chip R.         ERJ2GEJ103X           R45         RK3550         Chip R.         ERJ2GEJ103X           R46     |   |
| R30 RK3550 Chip R. ERJ2GEJ103X R31 RK3538 Chip R. ERJ2GEJ102X R32 RK3550 Chip R. ERJ2GEJ103X R33 RK3542 Chip R. ERJ2GEJ222X R34 RK3557 Chip R. ERJ2GEJ393X R35 RK3550 Chip R. ERJ2GEJ103X R36 RK3542 Chip R. ERJ2GEJ222X R37 RK3534 Chip R. ERJ2GEJ471X R38 RK3542 Chip R. ERJ2GEJ471X R38 RK3546 Chip R. ERJ2GEJ472X R40 RK3546 Chip R. ERJ2GEJ472X R41 RK3550 Chip R. ERJ2GEJ103X R42 RK3550 Chip R. ERJ2GEJ103X R44 RK3550 Chip R. ERJ2GEJ103X R45 RK3550 Chip R. ERJ2GEJ103X R46 RK3550 Chip R. ERJ2GEJ103X R47 RK3546 Chip R. ERJ2GEJ103X R48 RK3538 Chip R. ERJ2GEJ102X   |   |
| R31 RK3538 Chip R. ERJ2GEJ102X R32 RK3550 Chip R. ERJ2GEJ103X R33 RK3542 Chip R. ERJ2GEJ222X R34 RK3557 Chip R. ERJ2GEJ393X R35 RK3550 Chip R. ERJ2GEJ103X R36 RK3542 Chip R. ERJ2GEJ222X R37 RK3534 Chip R. ERJ2GEJ471X R38 RK3542 Chip R. ERJ2GEJ471X R38 RK3546 Chip R. ERJ2GEJ472X R40 RK3546 Chip R. ERJ2GEJ472X R41 RK3550 Chip R. ERJ2GEJ103X R42 RK3526 Chip R. ERJ2GEJ103X R44 RK3550 Chip R. ERJ2GEJ103X R45 RK3550 Chip R. ERJ2GEJ103X R46 RK3550 Chip R. ERJ2GEJ103X R47 RK3550 Chip R. ERJ2GEJ103X R48 RK3550 Chip R. ERJ2GEJ103X R47 RK3546 Chip R. ERJ2GEJ103X R48 RK3538 Chip R. ERJ2GEJ102X  |   |
| R32 RK3550 Chip R. ERJ2GEJ103X R33 RK3542 Chip R. ERJ2GEJ222X R34 RK3557 Chip R. ERJ2GEJ393X R35 RK3550 Chip R. ERJ2GEJ103X R36 RK3542 Chip R. ERJ2GEJ222X R37 RK3534 Chip R. ERJ2GEJ471X R38 RK3542 Chip R. ERJ2GEJ471X R38 RK3546 Chip R. ERJ2GEJ472X R40 RK3546 Chip R. ERJ2GEJ472X R41 RK3550 Chip R. ERJ2GEJ103X R42 RK3550 Chip R. ERJ2GEJ103X R44 RK3550 Chip R. ERJ2GEJ103X R45 RK3550 Chip R. ERJ2GEJ103X R46 RK3550 Chip R. ERJ2GEJ103X R47 RK3546 Chip R. ERJ2GEJ103X R48 RK3538 Chip R. ERJ2GEJ102X   |   |
| R33 RK3542 Chip R. ERJ2GEJ222X R34 RK3557 Chip R. ERJ2GEJ393X R35 RK3550 Chip R. ERJ2GEJ103X R36 RK3542 Chip R. ERJ2GEJ222X R37 RK3534 Chip R. ERJ2GEJ471X R38 RK3542 Chip R. ERJ2GEJ471X R38 RK3546 Chip R. ERJ2GEJ472X R40 RK3546 Chip R. ERJ2GEJ472X R41 RK3550 Chip R. ERJ2GEJ103X R42 RK3526 Chip R. ERJ2GEJ103X R44 RK3550 Chip R. ERJ2GEJ103X R45 RK3550 Chip R. ERJ2GEJ103X R46 RK3550 Chip R. ERJ2GEJ103X R47 RK3546 Chip R. ERJ2GEJ103X R48 RK3538 Chip R. ERJ2GEJ102X   |   |
| R34 RK3557 Chip R. ERJ2GEJ393X R35 RK3550 Chip R. ERJ2GEJ103X R36 RK3542 Chip R. ERJ2GEJ222X R37 RK3534 Chip R. ERJ2GEJ471X R38 RK3542 Chip R. ERJ2GEJ222X R39 RK3546 Chip R. ERJ2GEJ472X R40 RK3546 Chip R. ERJ2GEJ472X R41 RK3550 Chip R. ERJ2GEJ103X R42 RK3526 Chip R. ERJ2GEJ103X R44 RK3550 Chip R. ERJ2GEJ103X R44 RK3550 Chip R. ERJ2GEJ103X R45 RK3550 Chip R. ERJ2GEJ103X R46 RK3550 Chip R. ERJ2GEJ103X R47 RK3546 Chip R. ERJ2GEJ103X R47 RK3546 Chip R. ERJ2GEJ103X R48 RK3538 Chip R. ERJ2GEJ472X R48 RK3538 Chip R. ERJ2GEJ102X   |   |
| R35 RK3550 Chip R. ERJ2GEJ103X R36 RK3542 Chip R. ERJ2GEJ222X R37 RK3534 Chip R. ERJ2GEJ471X R38 RK3542 Chip R. ERJ2GEJ472X R39 RK3546 Chip R. ERJ2GEJ472X R40 RK3546 Chip R. ERJ2GEJ472X R41 RK3550 Chip R. ERJ2GEJ103X R42 RK3526 Chip R. ERJ2GEJ103X R43 RK3550 Chip R. ERJ2GEJ103X R44 RK3540 Chip R. ERJ2GEJ103X R44 RK3550 Chip R. ERJ2GEJ103X R45 RK3550 Chip R. ERJ2GEJ103X R46 RK3550 Chip R. ERJ2GEJ103X R47 RK3546 Chip R. ERJ2GEJ103X R47 RK3546 Chip R. ERJ2GEJ103X R48 RK3538 Chip R. ERJ2GEJ102X  |   |
| R36 RK3542 Chip R. ERJ2GEJ222X R37 RK3534 Chip R. ERJ2GEJ471X R38 RK3542 Chip R. ERJ2GEJ471X R39 RK3546 Chip R. ERJ2GEJ472X R40 RK3546 Chip R. ERJ2GEJ472X R41 RK3550 Chip R. ERJ2GEJ103X R42 RK3526 Chip R. ERJ2GEJ103X R43 RK3550 Chip R. ERJ2GEJ103X R44 RK3540 Chip R. ERJ2GEJ152X R45 RK3550 Chip R. ERJ2GEJ103X R46 RK3550 Chip R. ERJ2GEJ103X R46 RK3550 Chip R. ERJ2GEJ103X R47 RK3546 Chip R. ERJ2GEJ103X R47 RK3546 Chip R. ERJ2GEJ103X R48 RK3538 Chip R. ERJ2GEJ102X   |   |
| R37 RK3534 Chip R. ERJ2GEJ471X R38 RK3542 Chip R. ERJ2GEJ222X R39 RK3546 Chip R. ERJ2GEJ472X R40 RK3546 Chip R. ERJ2GEJ472X R41 RK3550 Chip R. ERJ2GEJ103X R42 RK3526 Chip R. ERJ2GEJ101X R43 RK3550 Chip R. ERJ2GEJ103X R44 RK3540 Chip R. ERJ2GEJ152X R45 RK3550 Chip R. ERJ2GEJ103X R46 RK3550 Chip R. ERJ2GEJ103X R46 RK3550 Chip R. ERJ2GEJ103X R47 RK3546 Chip R. ERJ2GEJ103X R47 RK3546 Chip R. ERJ2GEJ472X R48 RK3538 Chip R. ERJ2GEJ102X  |   |
| R38 RK3542 Chip R. ERJ2GEJ222X R39 RK3546 Chip R. ERJ2GEJ472X R40 RK3546 Chip R. ERJ2GEJ472X R41 RK3550 Chip R. ERJ2GEJ103X R42 RK3526 Chip R. ERJ2GEJ101X R43 RK3550 Chip R. ERJ2GEJ103X R44 RK3540 Chip R. ERJ2GEJ152X R45 RK3550 Chip R. ERJ2GEJ103X R46 RK3550 Chip R. ERJ2GEJ103X R46 RK3550 Chip R. ERJ2GEJ103X R47 RK3546 Chip R. ERJ2GEJ472X R48 RK3538 Chip R. ERJ2GEJ102X  |   |
| R39 RK3546 Chip R. ERJ2GEJ472X R40 RK3546 Chip R. ERJ2GEJ472X R41 RK3550 Chip R. ERJ2GEJ103X R42 RK3526 Chip R. ERJ2GEJ101X R43 RK3550 Chip R. ERJ2GEJ103X R44 RK3540 Chip R. ERJ2GEJ103X R45 RK3550 Chip R. ERJ2GEJ103X R46 RK3550 Chip R. ERJ2GEJ103X R47 RK3546 Chip R. ERJ2GEJ103X R47 RK3546 Chip R. ERJ2GEJ472X R48 RK3538 Chip R. ERJ2GEJ102X   |   |
| R40 RK3546 Chip R. ERJ2GEJ472X R41 RK3550 Chip R. ERJ2GEJ103X R42 RK3526 Chip R. ERJ2GEJ101X R43 RK3550 Chip R. ERJ2GEJ103X R44 RK3540 Chip R. ERJ2GEJ152X R45 RK3550 Chip R. ERJ2GEJ103X R46 RK3550 Chip R. ERJ2GEJ103X R47 RK3546 Chip R. ERJ2GEJ472X R48 RK3538 Chip R. ERJ2GEJ102X   |   |
| R41 RK3550 Chip R. ERJ2GEJ103X R42 RK3526 Chip R. ERJ2GEJ101X R43 RK3550 Chip R. ERJ2GEJ103X R44 RK3540 Chip R. ERJ2GEJ152X R45 RK3550 Chip R. ERJ2GEJ103X R46 RK3550 Chip R. ERJ2GEJ103X R47 RK3546 Chip R. ERJ2GEJ472X R48 RK3538 Chip R. ERJ2GEJ102X  |   |
| R42 RK3526 Chip R. ERJ2GEJ101X R43 RK3550 Chip R. ERJ2GEJ103X R44 RK3540 Chip R. ERJ2GEJ152X R45 RK3550 Chip R. ERJ2GEJ103X R46 RK3550 Chip R. ERJ2GEJ103X R47 RK3546 Chip R. ERJ2GEJ472X R48 RK3538 Chip R. ERJ2GEJ102X   |   |
| R43 RK3550 Chip R. ERJ2GEJ103X<br>R44 RK3540 Chip R. ERJ2GEJ152X<br>R45 RK3550 Chip R. ERJ2GEJ103X<br>R46 RK3550 Chip R. ERJ2GEJ103X<br>R47 RK3546 Chip R. ERJ2GEJ472X<br>R48 RK3538 Chip R. ERJ2GEJ102X   |   |
| R44 RK3540 Chip R. ERJ2GEJ152X<br>R45 RK3550 Chip R. ERJ2GEJ103X<br>R46 RK3550 Chip R. ERJ2GEJ103X<br>R47 RK3546 Chip R. ERJ2GEJ472X<br>R48 RK3538 Chip R. ERJ2GEJ102X   |   |
| R45 RK3550 Chip R. ERJ2GEJ103X<br>R46 RK3550 Chip R. ERJ2GEJ103X<br>R47 RK3546 Chip R. ERJ2GEJ472X<br>R48 RK3538 Chip R. ERJ2GEJ102X   |   |
| R46 RK3550 Chip R. ERJ2GEJ103X<br>R47 RK3546 Chip R. ERJ2GEJ472X<br>R48 RK3538 Chip R. ERJ2GEJ102X   |   |
| R46 RK3550 Chip R. ERJ2GEJ103X<br>R47 RK3546 Chip R. ERJ2GEJ472X<br>R48 RK3538 Chip R. ERJ2GEJ102X   |   |
| R47 RK3546 Chip R. ERJ2GEJ472X<br>R48 RK3538 Chip R. ERJ2GEJ102X   |   |
| R48 RK3538 Chip R. ERJ2GEJ102X   |   |
|  |   |
| R49 RK3542 Chip R. ERJ2GEJ222X   |   |
| R50 RK3522 Chip R. ERJ2GEJ470X   |   |
| R51 RK3538 Chip R. ERJ2GEJ102X   |   |
| R52 RK3542 Chip R. ERJ2GEJ222X   |   |
| R53 RK3550 Chip R. ERJ2GEJ103X   |   |
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| R56 RK3550 Chip R. ERJ2GEJ103X   |   |
| R57 RK3558 Chip R. ERJ2GEJ473X   |   |
| R58 RK3522 Chip R. ERJ2GEJ470X   |   |
| R59 RK3532 Chip R. ERJ2GEJ331X   |   |
| R60 RK3542 Chip R. ERJ2GEJ222X   |   |
| R61 RK3550 Chip R. ERJ2GEJ103X   |   |
| R62 RK3550 Chip R. ERJ2GEJ103X   |   |
| R63 RK3538 Chip R. ERJ2GEJ102X   |   |
| R64 RK3550 Chip R. ERJ2GEJ103X   |   |
| R65 RK3522 Chip R. ERJ2GEJ470X   |   |
| R66 RK3562 Chip R. ERJ2GEJ104X   |   |
| R67 RK3546 Chip R. ERJ2GEJ472X   |   |
| R68 RK3526 Chip R. ERJ2GEJ101X   |   |
| R69 RK3542 Chip R. ERJ2GEJ222X   |   |
| R70 RK3542 Chip R. ERJ2GEJ222X   |   |
| R71 RK3538 Chip R. ERJ2GEJ102X   |   |
| R72 RK3550 Chip R. ERJ2GEJ103X   |   |
| R73 RK3530 Chip R. ERJ2GEJ221X   |   |
| R74 RK3550 Chip R. ERJ2GEJ103X   |   |
| R75 RK3566 Chip R. ERJ2GEJ224X   |   |
| l ' l  |   |
| R76   RK3526   Chip R.   ERJ2GEJ101X   R77   RK3522   Chip R.   ERJ2GEJ470X  |   |
|  |   |
| R78 RK3522 Chip R. ERJ2GEJ470X   |   |
| R79 RK3550 Chip R. ERJ2GEJ103X   |   |
| R80 RK3550 Chip R. ERJ2GEJ103X   |   |
| R81 RK3566 Chip R. ERJ2GEJ224X   |   |
| R82 RK3538 Chip R. ERJ2GEJ102X   |   |
| R83 RK3522 Chip R. ERJ2GEJ470X   | 1 |

|      |        | Descriptin | Parts Name  | Ve |
|------|--------|------------|-------------|----|
| R84  | RK3542 | Chip R.    | ERJ2GEJ222X |    |
| R85  | RK3554 | Chip R.    | ERJ2GEJ223X |    |
| R86  | RK3546 | Chip R.    | ERJ2GEJ472X |    |
| R87  | RK3542 | Chip R.    | ERJ2GEJ222X |    |
| R88  | RK3542 | Chip R.    | ERJ2GEJ222X |    |
| R89  | RK3550 | Chip R.    | ERJ2GEJ103X |    |
| R90  | RK3556 | Chip R.    | ERJ2GEJ333X |    |
| R91  | RK3558 | Chip R.    | ERJ2GEJ473X |    |
| R92  | RK3550 | Chip R.    | ERJ2GEJ103X |    |
| R93  | RK3558 | Chip R.    | ERJ2GEJ473X |    |
| R94  | RK3558 | Chip R.    | ERJ2GEJ473X |    |
| R95  | RK3562 | Chip R.    | ERJ2GEJ104X |    |
| R96  | RK3554 | Chip R.    | ERJ2GEJ223X |    |
| R97  | RK3562 | Chip R.    | ERJ2GEJ104X |    |
| R98  | RK3522 | Chip R.    | ERJ2GEJ470X |    |
| R99  | RK3574 | Chip R.    | ERJ2GEJ105X |    |
| R100 | RK3542 | Chip R.    | ERJ2GEJ222X |    |
| R101 | RK3550 | Chip R.    | ERJ2GEJ103X |    |
| R102 | RK3550 | Chip R.    | ERJ2GEJ103X |    |
| R103 | RK3562 | Chip R.    | ERJ2GEJ104X |    |
| R104 | RK3559 | Chip R.    | ERJ2GEJ563X |    |
| R105 | RK3554 | Chip R.    | ERJ2GEJ223X |    |
| R106 | RK3558 | Chip R.    | ERJ2GEJ473X |    |
| R107 | RK3570 | Chip R.    | ERJ2GEJ474X |    |
| R108 | RK3553 | Chip R.    | ERJ2GEJ183X |    |
| R109 | RK3562 | Chip R.    | ERJ2GEJ104X |    |
| R110 | RK3566 | Chip R.    | ERJ2GEJ224X |    |
| R111 | RK3550 | Chip R.    | ERJ2GEJ103X |    |
| R112 | RK3538 | Chip R.    | ERJ2GEJ102X |    |
| R113 | RK3546 | Chip R.    | ERJ2GEJ472X |    |
| R114 | RK3538 | Chip R.    | ERJ2GEJ102X |    |
| R115 | RK3501 | Chip R.    | ERJ2GE0R00X |    |
| R116 | RK3522 | Chip R.    | ERJ2GEJ470X |    |
| R117 | RK3550 | Chip R.    | ERJ2GEJ103X |    |
| R118 | RK3542 | Chip R.    | ERJ2GEJ222X |    |
| R119 | RK3552 | Chip R.    | ERJ2GEJ153X |    |
| R120 | RK3526 | Chip R.    | ERJ2GEJ101X |    |
| R121 | RK3550 | Chip R.    | ERJ2GEJ103X |    |
| R122 | RK3559 | Chip R.    | ERJ2GEJ563X |    |
| R123 | RK3550 | Chip R.    | ERJ2GEJ103X |    |
| R124 | RK3558 | Chip R.    | ERJ2GEJ473X |    |
| R125 | RK3550 | Chip R.    | ERJ2GEJ103X |    |
| R126 | RK3568 | Chip R.    | ERJ2GEJ334X |    |
| R127 | RK3553 | Chip R.    | ERJ2GEJ183X |    |
| R128 | RK3534 | Chip R.    | ERJ2GEJ471X |    |
| R129 | RK3542 | Chip R.    | ERJ2GEJ222X |    |
| R130 | RK3550 | Chip R.    | ERJ2GEJ103X |    |
| R131 | RK3562 | Chip R.    | ERJ2GEJ104X |    |
| R132 | RK3554 | Chip R.    | ERJ2GEJ223X |    |
| R133 | RK3554 | Chip R.    | ERJ2GEJ223X |    |
| R134 | RK3548 | Chip R.    | ERJ2GEJ682X | 1  |
| R135 | RK3526 | Chip R.    | ERJ2GEJ101X | 1  |
| R136 | RK3550 | Chip R.    | ERJ2GEJ103X |    |
| R137 | RK3562 | Chip R.    | ERJ2GEJ104X | 1  |
| R138 | RK3554 | Chip R.    | ERJ2GEJ223X | [  |
| R139 | RK3538 | Chip R.    | ERJ2GEJ102X |    |
| R140 | RK3550 | Chip R.    | ERJ2GEJ103X | 1  |
| R141 | RK3562 | Chip R.    | ERJ2GEJ104X | 1  |
| R142 | RK3550 | Chip R.    | ERJ2GEJ103X | 1  |
| R143 | RK3550 | Chip R.    | ERJ2GEJ103X | 1  |
| R144 | RK3550 | Chip R.    | ERJ2GEJ103X |    |

| Dof No   | Darte No. | Descriptin         | Parts Name                 | \/or |
|----------|-----------|--------------------|----------------------------|------|
| Ref. No. | RK3550    | Chip R.            | ERJ2GEJ103X                | Ver  |
| R145     | RK3550    | Chip R.<br>Chip R. | ERJ2GEJ103X<br>ERJ2GEJ105X |      |
|          |           |                    |                            |      |
| R147     | RK3554    | Chip R.            | ERJ2GEJ223X<br>ERJ2GEJ104X |      |
| R148     | RK3562    | Chip R.            |                            |      |
| R149     | RK3552    | Chip R.            | ERJ2GEJ153X                |      |
| R150     | RK3566    | Chip R.            | ERJ2GEJ224X                |      |
|          | RK3570    | Chip R.            | ERJ2GEJ474X                |      |
| R152     | RK3538    | Chip R.            | ERJ2GEJ102X                |      |
| R153     | RA0009    | Chip R.            | EXBV8V102JV                |      |
|          | RK3522    | Chip R.            | ERJ2GEJ470X                |      |
|          | RK3542    | Chip R.            | ERJ2GEJ222X                |      |
| R156     | RK3534    | Chip R.            | ERJ2GEJ471X                |      |
|          | RK3552    | Chip R.            | ERJ2GEJ153X                |      |
|          | RK3548    | Chip R.            | ERJ2GEJ682X                |      |
|          | RK3562    | Chip R.            | ERJ2GEJ104X                |      |
|          | RK3550    | Chip R.            | ERJ2GEJ103X                |      |
|          | RK3522    | Chip R.            | ERJ2GEJ470X                |      |
| R162     | RK3552    | Chip R.            | ERJ2GEJ153X                |      |
| R163     | RK3556    | Chip R.            | ERJ2GEJ333X                |      |
| R164     | RK3557    | Chip R.            | ERJ2GEJ393X                |      |
|          | RK3555    | Chip R.            | ERJ2GEJ273X                |      |
| R166     | RK3557    | Chip R.            | ERJ2GEJ393X                |      |
| R167     | RK3546    | Chip R.            | ERJ2GEJ472X                |      |
| R168     | RK3542    | Chip R.            | ERJ2GEJ222X                |      |
| R169     | RK3566    | Chip R.            | ERJ2GEJ224X                |      |
| R170     | RK3568    | Chip R.            | ERJ2GEJ334X                |      |
| R171     | RK3538    | Chip R.            | ERJ2GEJ102X                |      |
| R172     | RK3568    | Chip R.            | ERJ2GEJ334X                |      |
| R173     | RK3522    | Chip R.            | ERJ2GEJ470X                |      |
| R174     | RK3568    | Chip R.            | ERJ2GEJ334X                |      |
| R175     | RK3574    | Chip R.            | ERJ2GEJ105X                |      |
| R176     | RK3528    | Chip R.            | ERJ2GEJ151X                |      |
| R177     | RK3522    | Chip R.            | ERJ2GEJ470X                |      |
| R178     | RK3540    | Chip R.            | ERJ2GEJ152X                |      |
| R179     | RK3550    | Chip R.            | ERJ2GEJ103X                |      |
| R180     | RK3001    | Chip R.            | MCR03EZHJ000               |      |
| R181     | RK3540    | Chip R.            | ERJ2GEJ152X                |      |
| R182     | RK3550    | Chip R.            | ERJ2GEJ103X                |      |
| R183     |           | Chip R.            | ERJ2GEJ151X                |      |
| R184     | RK3528    | Chip R.            | ERJ2GEJ151X                |      |
| R185     | RK3550    | Chip R.            | ERJ2GEJ103X                |      |
| R186     | RK3550    | Chip R.            | ERJ2GEJ103X                |      |
| R187     | RK3562    | Chip R.            | ERJ2GEJ104X                |      |
| R188     | RK3543    | Chip R.            | ERJ2GEJ272X                |      |
| R189     | RK3556    | Chip R.            | ERJ2GEJ333X                |      |
| R190     | RK3558    | Chip R.            | ERJ2GEJ473X                |      |
| R191     | RK3501    | Chip R.            | ERJ2GE0R00X                |      |
| R192     | RK3528    | Chip R.            | ERJ2GEJ151X                |      |
| R193     | RK3562    | Chip R.            | ERJ2GEJ104X                |      |
| R196     | RK0105    | Chip R.            | ERJ6GEYJ2R2V               |      |
| R198     | RK3034    | Chip R.            | MCR03EZHJ471               |      |
| R200     | RK3538    | Chip R.            | ERJ2GEJ102X                |      |
| R201     | RK3574    | Chip R.            | ERJ2GEJ105X                |      |
| R203     | RK3568    | Chip R.            | ERJ2GEJ334X                |      |
| RE1      | UR0023    | Chip R.            | TP70N00AE20                |      |
| TC1      | CT0045    | Trimmer            | SMD3-010C1                 |      |
| VR1      | RH0142    | Volume             | MVR22HXBRN103              |      |
| X1       | XQ0140    | Crystal            | SX-2112                    |      |
| X2       | XQ0132    | Crystal            | CSA-309 4.194304MHZ        |      |
| XF1      | XF0047    | Filter             | RE63SM113 38.850MHZ        |      |
|          | TS0168    |                    | VCO CASE B                 |      |
|          |           |                    |                            |      |

| Ref.No. | Parts No. | Descriptin | Parts Name       | Ver |
|---------|-----------|------------|------------------|-----|
|         | TS0167    |            | VCO CASE A       |     |
|         | UP0426    | PCB        | DJX3 INTEGRATED  | 0.5 |
|         | TL0027    |            | REFLECTIVE SHEET |     |
|         | TL0026    |            | DIFFUSION SHEET  |     |
|         | ST0069    |            | LCD HOLDER       |     |
|         | DG0040    |            | LCD LIGHT        |     |

# **SW Unit**

|       |          | Descriptin | Parts Name    | Ver |
|-------|----------|------------|---------------|-----|
| SW301 | UU0027   | Switch     | SKQGAA        |     |
|       | UU0027   |            | SKQGAA        |     |
| W301  | MGCL02AA | Wire       | #30G02-020-02 |     |
| W302  | MRCL02GG | Wire       | #30RH1-020-H1 |     |
| W303  | MBCL02GG | Wire       | #30BH1-020-H1 |     |

| Ref.No. | Parts No. | Descriptin | Parts Name        | Ver |
|---------|-----------|------------|-------------------|-----|
|         | PH0009A   |            | Warranty          | Т   |
|         | DS0446    |            | Spec.sheet        |     |
|         | PR0478    |            | Serial seal       | 2.1 |
|         | PR0452    |            | FCC homeuse label | T   |
|         | PR0447    |            | FCC warning label | Т   |
|         | HK0538    |            | Pacage            |     |
|         | HU0175    |            | Inner DJ-S40Z     |     |
|         | HU0176    |            | 10 Inner DJ-S40Z  |     |
|         | HM0201    |            | Carton            |     |
|         | HP0006Z   |            | Protection bag    |     |
|         | PR0513    |            | Label N-13×13     | T   |
|         | PR0514    |            | Label E-10×49     | 2   |
|         | #G1024    |            | Belt clip unit    |     |

# **Mechanical Parts**

| Ref.No. | Parts No.        | Descriptin | Parts Name                         | Ver |
|---------|------------------|------------|------------------------------------|-----|
| W1      | MRCL03AA         | Wire       | #30R02-030-02                      |     |
| W2      | MBCLH4GG         | Wire       | #30BH1-045-H1                      |     |
| W3      | MACK02GG         | Wire       | #28AH1-020-H1                      |     |
|         | FG0337           |            | DC CAP                             |     |
|         | ES0021           |            | T032S23A0000                       |     |
|         | FG0331           |            | TERMINAL RUBBER                    | 2   |
|         | AN0012           |            | RND N7X0.75 BR/B.ZN                |     |
|         | FP0179           |            | REAR PANEL                         |     |
|         | FG0334           |            | SP CAP                             |     |
|         | FG0335           |            | JACK RUBBER                        |     |
|         | FG0338           |            | FUNC RUBBER                        |     |
|         | YX0032           |            | LCDTAPE                            |     |
|         | AN0027           |            | ANTENNA NUT XH720                  |     |
|         | KZ0137           |            | REAR CASE                          |     |
|         | FG0330           |            | KEY RUBBER                         |     |
|         | TS0166           |            | RF SHIERD                          |     |
|         | SD0093           |            | TERMINAL R                         |     |
|         | SD0092           |            | TERMINAL L                         |     |
|         | NK0078           |            | VOL NOB X3                         |     |
|         | DP0139           |            | LCD PANEL                          |     |
|         | KZ0136           |            | FRONT CASE                         | _   |
|         | AX0005           |            | OPH P 1.7+5.5 FE NI3               | 2   |
|         | FG0347<br>EA0096 |            | ANTENNA Cushion                    |     |
|         |                  |            | ANTENNA EA96                       |     |
|         | FM0201<br>AX0008 |            | ANTENNA EARTH<br>OPH P 1.7+4 FEBC3 | 2   |
|         | FG0346           |            |                                    | _   |
|         | FP0182           |            | Cushion A<br>SP cushion            | 2   |
|         | SP0013           |            | LECTRA #7800                       | _   |
|         | UE0338           |            | SMA 19-16-3TGG                     |     |
|         | AF0025           |            | 0PH M2+2.5 FE/N1                   | 2   |
|         | A-0025           |            | OF IT MIZTZ.3 FE/INT               | _   |

# **Packing**

| Ref.No. | Parts No. | Descriptin | Parts Name         | Ver |
|---------|-----------|------------|--------------------|-----|
|         | EA0081    |            | Antenna            |     |
|         | PS0384    |            | Instruction Manual |     |

# **ADJUSTMENT**

#### 1) How to enter the adjustment mode

Press the key like the below after Key Lock.

BANK > SCAN > V/P/M > BANK > V/P/M > SCAN

# 2) Adjustment

| Display | Memory Content                            | Adjust point |
|---------|---|--------------|
| FrEq    | Frequency Adjustment                      | TC1          |
| FrEq    | Maximum AF output level Adjustment        | L40          |
| PLt-F   | Stereo Adjustment                         | VR1          |
| 1n1     | BP1 Squelch level 1 Setting               | SCAN key     |
| 1nF     | BP1 Squelch level 5 Setting               | SCAN key     |
| 2n1     | BP2 Squelch level 1 Setting               | SCAN key     |
| 2nF     | BP2 Squelch level 5 Setting               | SCAN key     |
| 3n1     | BP3 Squelch level 1 Setting               | SCAN key     |
| 3nF     | BP3 Squelch level 5 Setting               | SCAN key     |
| 4n1     | BP4 Squelch level 1 Setting               | SCAN key     |
| 4nF     | BP4 Squelch level 5 Setting               | SCAN key     |
| 5n1     | BP5 Squelch level 1 Setting               | SCAN key     |
| 5nF     | BP5 Squelch level 5 Setting               | SCAN key     |
| 6n1     | BP6 Squelch level 1 Setting               | SCAN key     |
| 6nF     | BP6 Squelch level 5 Setting               | SCAN key     |
| 3S1     | BP3 S meter level 1 Setting               | SCAN key     |
| 3SF     | BP3 S meter level 5 Setting               | SCAN key     |
| Wn1     | WFM Squelch level 1 Setting               | SCAN key     |
| WnF     | WFM Squelch level 5 Setting               | SCAN key     |
| ws1     | WFM S meter level 1 Setting               | SCAN key     |
| wsF     | WFM S meter level 5 Setting               | SCAN key     |
| dSPv    | Reduction Battery Display Setting         | SCAN key     |
| bUGvoL  | Wiretapping Detector Sound Volume Setting | SCAN key     |

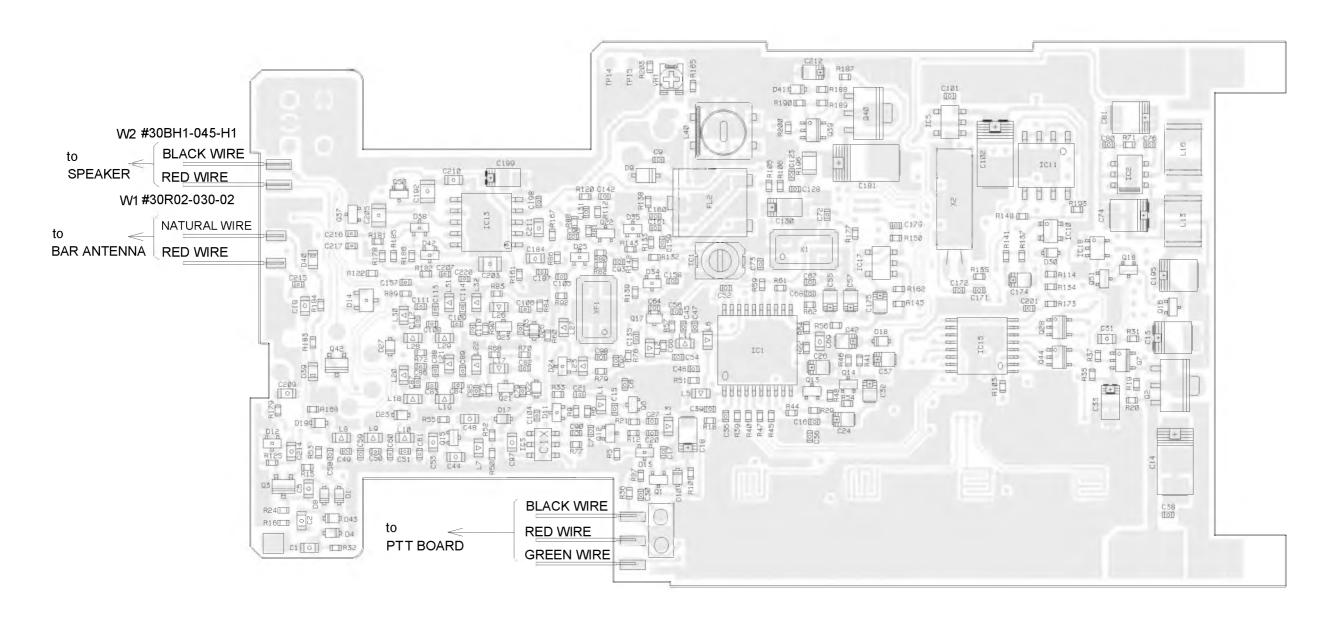
When want to change the display, press the V/P/M key or BANK key.

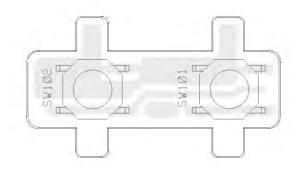
| Item                                 | Adjustment Content   | Specification                    |
|--------------------------------------|--|----------------------------------|
| Reference<br>Frequency<br>Adjustment | Adjust the TC1 to 391.05MHz.  Display: FrE9 Adjust Point: TC1 Check Point: TP2   | 391.05MHz<br>+ -100Hz            |
| AF output<br>Adjustment              | AF maximum output Display: FrEq Input the 142.6MHz of 30dBu to the test unit which modulation is 1KHz 3.5KHz and adjust the L40 to become maximum AF level.  Adjust Point: L40 (A side of main board)  | More than $20\text{mw}(8\Omega)$ |
| Stereo<br>Adjustment                 | Pilot Frequency Adjustment Display:pLt-F Input the 90.5MHz of 30dBu (no modulation) and adjust the VR1 to 76KHz of the Pilot Frequency. (Connect the Ear-phone plug when adjust this item.)  Adjust Point: VR1 Check Point: TP15   | 76KHz<br>+ -1KHz                 |
| SQL<br>Adjustment<br>(BP1)           | SQL level 1 Adjustment Display: 1n1 Input the 14.3MHz of -8dBu (standard modulation), and press the SCAN key. Check if can hear the BEEP sound, when press the SCAN key.  SQL level 5 Adjustment Display: 1nF Input the 14.3MHz of -2dBu (standard modulation), and press the SCAN key. Check if can hear the BEEP sound, when press the SCAN              |                                  |
| SQL<br>Adjustment<br>(BP2)           | key.  SQL level 1 Adjustment Display: 2n1 Input the 109.15MHz of -10dBu (standard modulation), and press the SCAN key.  Check if can hear the BEEP sound, when press the SCAN key.  SQL level 5 Adjustment Display: 2nF Input the 109.15MHz of -4dBu (standard modulation), and press the SCAN key.  Check if can hear the BEEP sound, when press the SCAN |                                  |
| SQL<br>Adjustment<br>(BP3)           | key.  SQL level 1 Adjustment Display: 3n1 Input the 145.13MHz of -8dBu (standard modulation), and press the SCAN key. Check if can hear the BEEP sound.  SQL level 5 Adjustment Display: 3nF Input the 145.13MHz of -2dBu (standard modulation), and press the SCAN key. Check if can hear the BEEP sound.   |                                  |
| SQL<br>Adjustment<br>(BP4)           | SQL level 1 Adjustment Display: 4n1 Input the 290.15MHz of -8dBu (standard modulation), and press the SCAN key. Check if can hear the BEEP sound.  SQL level 5 Adjustment Display: 4nF Input the 290.15MHz of -2dBu (standard modulation), and press the SCAN key. Check if can hear the BEEP sound.   |                                  |

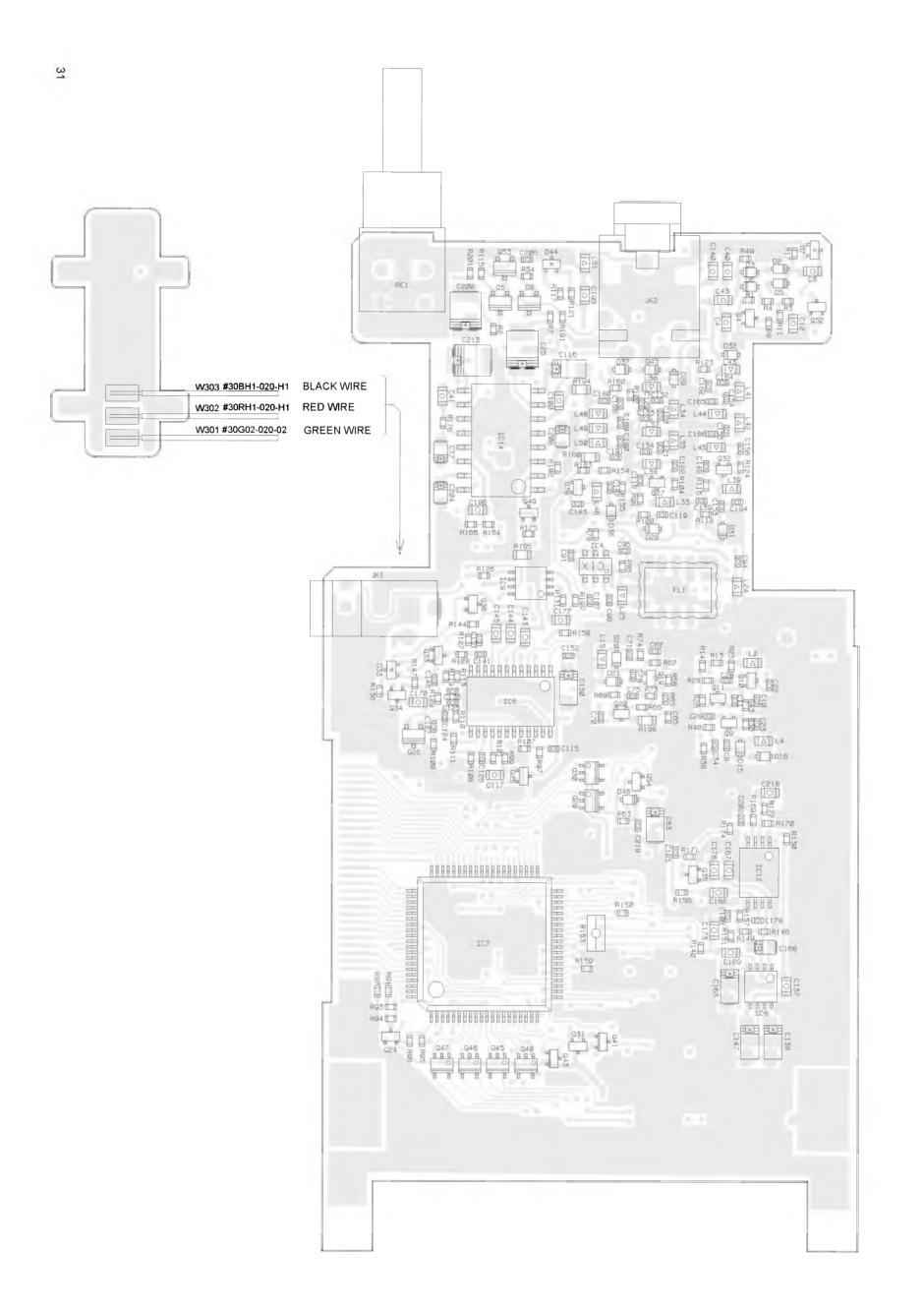
| Item                             | Adjustment Content   | Specification |
|----------------------------------|--|---------------|
| SQL<br>Adjustment<br>( BP5 )     | SQL level 1 Adjustment Display: 5n1 Input the 435.13MHz of -6dBu (standard modulation), and press the SCAN key. Check if can hear the BEEP sound.  |               |
|                                  | SQL level 5 Adjustment Display: 5nF Input the 435.13MHz of 0dBu (standard modulation), and press the SCAN key. Check if can hear the BEEP sound.   |               |
| SQL<br>Adjustment<br>(BP6)       | SQL level 1 Adjustment Display: 6n1 Input the 797.1MHz of -4dBu (standard modulation), and press the SCAN key. Check if can hear the BEEP sound.   |               |
|                                  | SQL level 5 Adjustment Display : 6nF Input the 797.1MHz of 2dBu (standard modulation), and press the SCAN key. Check if can hear the BEEP sound.   |               |
| S Meter<br>Adjustment<br>(BP3)   | S Meter level 1 Adjustment Display: 3S1 Input the 145.13MHz of -5dBu (standard modulation), and press the SCAN key. Check if can hear the BEEP sound.  |               |
|                                  | S Meter level 5 Adjustment Display: 3SF Input the 145.13MHz of 15dBu (standard modulation), and press the SCAN key. Check if can hear the BEEP sound.  |               |
| SQL<br>Adjustment<br>(WFM)       | SQL level 1 Adjustment Display: Wn1 Input the 90.5MHz of 6dBu which modulation is 22.5KHz, and press the SCAN key. Check if can hear the BEEP sound.   |               |
|                                  | SQL level 5 Adjustment Display: WnF Input the 90.5MHz of 18dBu which modulation is 22.5KHz, and press the SCAN key. Check if can hear the BEEP sound.  |               |
| S Meter<br>Adjustment<br>( WFM ) | S Meter level 1 Adjustment Display: WS1 Input the 90.5MHz of 13dBu which modulation is 22.5KHz, and press the SCAN key. Check if can hear the BEEP sound.  |               |
|                                  | S Meter level 5 Adjustment Display: WSF Input the 90.5MHz of 20dBu which modulation is 22.5KHz, and press the SCAN key. Check if can hear the BEEP sound.  |               |
| Battery<br>Indication<br>Setting | Turn on the Reduction Battery Character Display: dSpv Change the input voltage from 4.5V to 3.8V, and press the SCAN key.  |               |
|                                  | Check if can hear the BEEP sound. ( After checking return the voltage to 4.5V.)  |               |
|                                  | After finishing all adjustment items, press the FUNC key, and then change the mode from adjustment mood.  ( If want to change the mode before finish the adjustment, press the FUNC key before get off the adjustment mode.) |               |

# **PC BOARD VIEW**

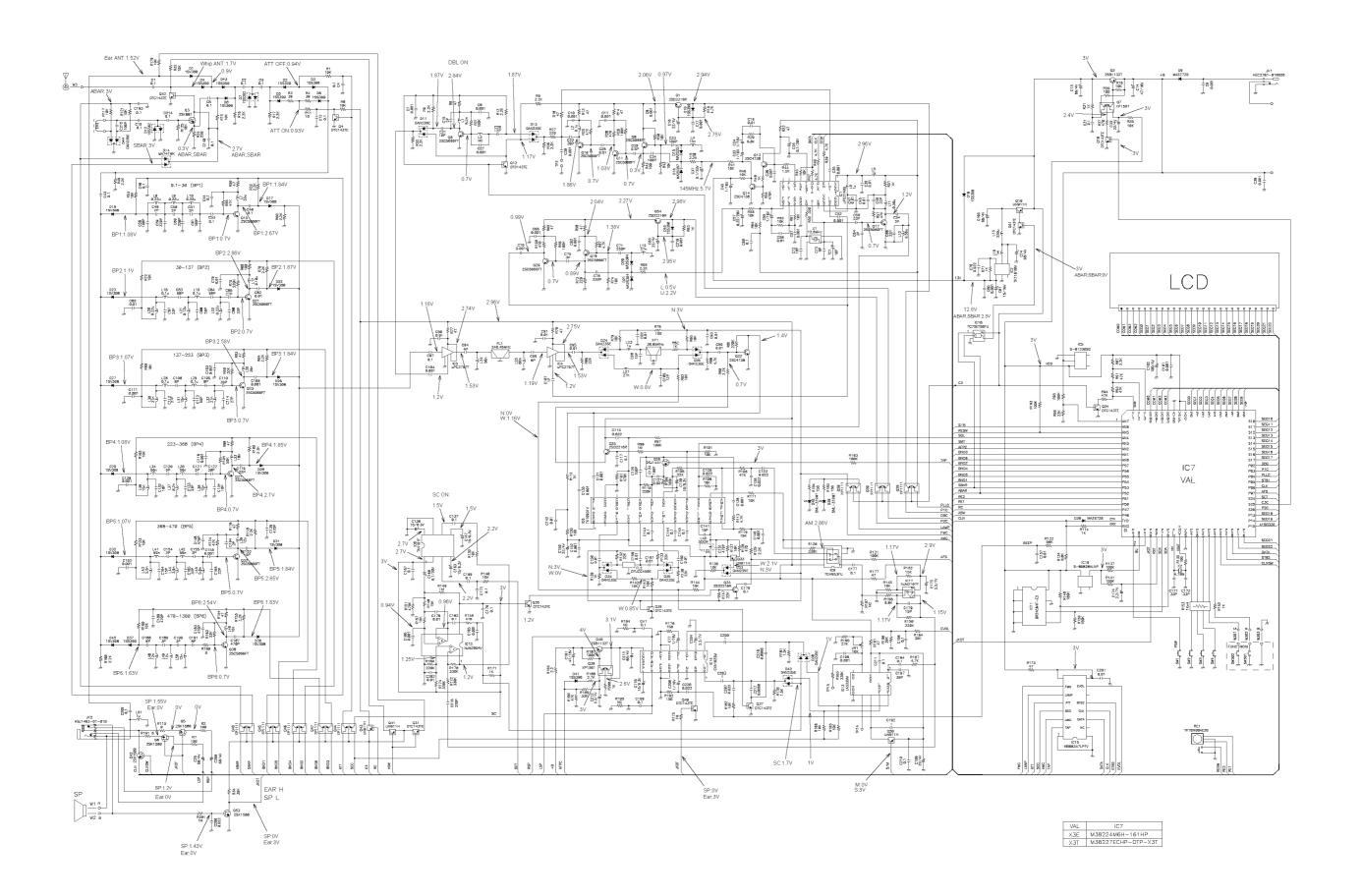
#### 1) DJ-X3T /X3E Side A



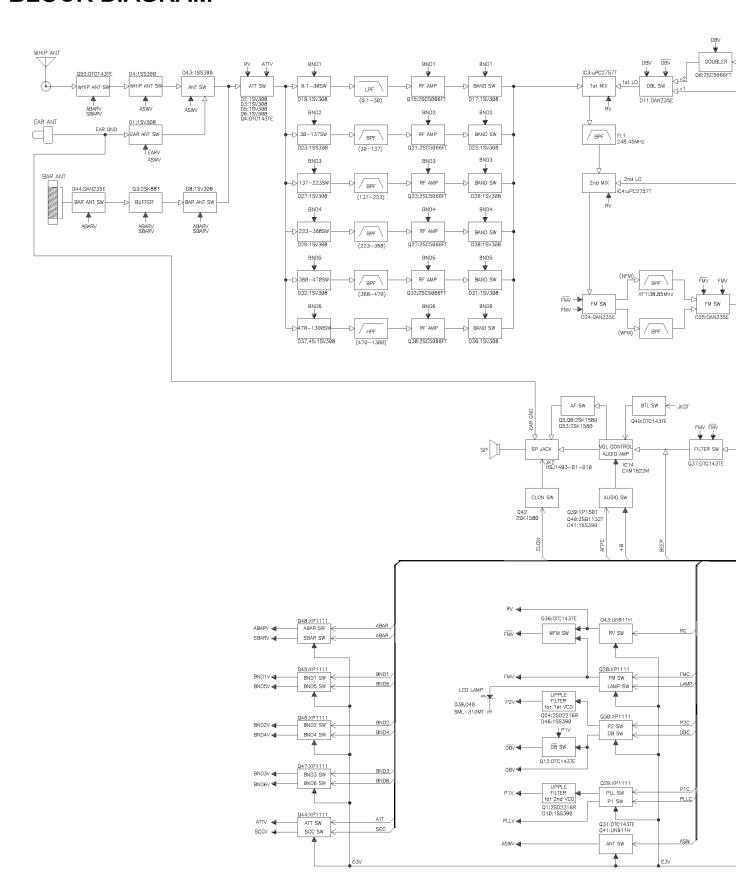


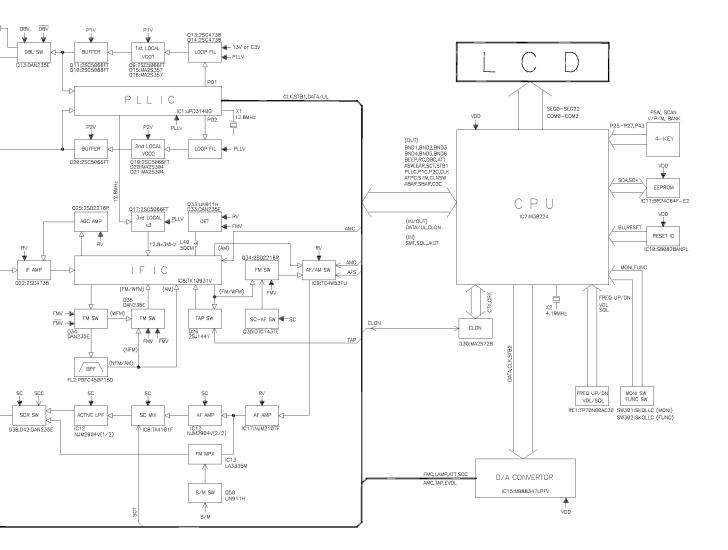


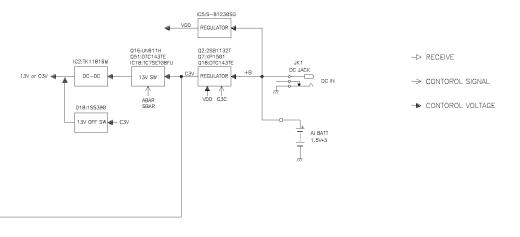
# **SCHEMATIC DIAGRAM**



# **BLOCK DIAGRAM**







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